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# Differential Amplifiers and ADC Drivers

| Parts                | Description                                                                                  | Product Lifecycle           | # of Channels | BW<br>-3 typ<br>dB | Slew Rate typ | Vos max   | Ibias max | Gain Set  | Gain min<br>dB | Gain max<br>dB | Iq/Amp typ | Vs span min | Vs span max |
|----------------------|----------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|---------------|-----------|-----------|-----------|----------------|----------------|------------|-------------|-------------|
| ADL5580              | Fully Differential, 10 GHz ADC Driver with 10 dB Gain                                        | RECOMMENDED FOR NEW DESIGNS | 1             | 10G                | 24k           | 5.5       | -         | Fixed     | 10             | 10             | 276m       | 4.5         | 5.5         |
| ADA4945-1 full power | High Speed, $\pm 0.1 \mu\text{V}/^\circ\text{C}$ Offset Drift, Fully Differential ADC Driver | RECOMMENDED FOR NEW DESIGNS | 1             | 145M               | 600           | 50 $\mu$  | 2.5 $\mu$ | Resistor  | -              | -              | 4m         | 3           | 10          |
| ADA4945-1 low power  | High Speed, $\pm 0.1 \mu\text{V}/^\circ\text{C}$ Offset Drift, Fully Differential ADC Driver | RECOMMENDED FOR NEW DESIGNS | 1             | 80M                | 100           | 50 $\mu$  | 800n      | Resistor  | -              | -              | 1.4m       | 3           | 10          |
| ADL5569              | 6.5 GHz, Ultrahigh Dynamic Range, Differential Amplifier                                     | RECOMMENDED FOR NEW DESIGNS | 2             | 6.5G               | 24k           | -         | -         | Pin Strap | 6              | 20             | 86m        | 4.75        | 5.25        |
| LTC6432A-15          | 100kHz to 1.4GHz Differential ADC Driver/IF Amplifier                                        | RECOMMENDED FOR NEW DESIGNS | 1             | 1.4G               | -             | -         | -         | Fixed     | 15.2           | 15.2           | 166m       | 4.75        | 5.25        |
| LTC6432B-15          | 100kHz to 1.4GHz Differential ADC Driver/IF Amplifier                                        | RECOMMENDED FOR NEW DESIGNS | 1             | 1.4G               | -             | -         | -         | Fixed     | 15.2           | 15.2           | 166m       | 4.75        | 5.25        |
| LTC6419              | Dual 10GHz GBW, 1.1nV/ $\sqrt{\text{Hz}}$ Differential Amplifier/ADC Driver                  | RECOMMENDED FOR NEW DESIGNS | 2             | 1.4G               | 3.3k          | 1.1m      | -         | Resistor  | 0              | -              | 52m        | 2.7         | 5.25        |
| ADL5567              | 4.3 GHz, Ultrahigh Dynamic Range, Dual Differential Amplifier                                | RECOMMENDED FOR NEW DESIGNS | 2             | 4.3G               | 20000         | -         | -         | Pin Strap | 0              | 20             | 138m       | 3.15        | 5.25        |
| ADL5205              | Dual, 35 dB Range, 1 dB Step Size DGA                                                        | RECOMMENDED FOR NEW DESIGNS | 2             | 1.2G               | 5000          | -         | -         | Digital   | -9             | 26             | 175m       | 3.15        | 5.25        |
| LTC6363              | Precision, Low Power Differential Amplifier/ADC Driver Family                                | LAST TIME BUY               | 1             | 35M                | 75            | 100 $\mu$ | -         | Resistor  | -20            | -              | 1.7m       | 2.8         | 11          |

|             | Description                                                                           | Product Lifecycle           | # of Channels | BW<br>-3<br>dB<br>typ | Slew<br>Rate<br>typ | Vos<br>max | Ibias<br>max | Gain<br>Set | Gain<br>min<br>dB | Gain<br>max<br>dB | Iq/Amp<br>typ | Vs<br>min<br>span | Vs<br>max<br>span |
|-------------|---------------------------------------------------------------------------------------|-----------------------------|---------------|-----------------------|---------------------|------------|--------------|-------------|-------------------|-------------------|---------------|-------------------|-------------------|
| LTC6363-0.5 | Precision, Low Power Differential Amplifier/ADC Driver Family                         | LAST TIME BUY               | 1             | 60M                   | 75                  | 125μ       | -            | Fixed       | -6                | -6                | 1.7m          | 2.8               | 11                |
| LTC6363-1   | Precision, Low Power Differential Amplifier/ADC Driver Family                         | LAST TIME BUY               | 1             | 35M                   | 75                  | 125μ       | -            | Fixed       | 0                 | 0                 | 1.7m          | 2.8               | 11                |
| LTC6363-2   | Precision, Low Power Differential Amplifier/ADC Driver Family                         | LAST TIME BUY               | 1             | 21M                   | 75                  | 125μ       | -            | Fixed       | 6                 | 6                 | 1.7m          | 2.8               | 11                |
| ADA4961     | Low Distortion, 3.2 GHz, RF DGA                                                       | RECOMMENDED FOR NEW DESIGNS | 1             | 3.2G                  | 12k                 | -          | -            | Digital     | -6                | 15                | 150m          | 3.3               | 5.5               |
| LTC6430A-20 | High Linearity Differential RF/IF Amplifier/ADC Driver                                | RECOMMENDED FOR NEW DESIGNS | 1             | 2G                    | -                   | -          | -            | Fixed       | 20.8              | 20.8              | 170m          | 4.75              | 5.25              |
| LTC6430B-20 | High Linearity Differential RF/IF Amplifier/ADC Driver                                | RECOMMENDED FOR NEW DESIGNS | 1             | 2G                    | -                   | -          | -            | Fixed       | 20.8              | 20.8              | 170m          | 4.75              | 5.25              |
| LTC6430A-15 | High Linearity Differential RF/IF Amplifier/ADC Driver                                | RECOMMENDED FOR NEW DESIGNS | 1             | 2G                    | -                   | -          | -            | Fixed       | 15.2              | 15.2              | 160m          | 4.75              | 5.25              |
| LTC6430B-15 | High Linearity Differential RF/IF Amplifier/ADC Driver                                | RECOMMENDED FOR NEW DESIGNS | 1             | 2G                    | -                   | -          | -            | Fixed       | 15.2              | 15.2              | 160m          | 4.75              | 5.25              |
| ADL5566     | 4.5 GHz Ultrahigh Dynamic Range, Dual Differential Amplifier                          | RECOMMENDED FOR NEW DESIGNS | 2             | 4.5G                  | 20k                 | -          | -            | Pin Strap   | 3                 | 16                | 160m          | 2.8               | 5.2               |
| LTC6417     | 1.6GHz Low Noise High Linearity Differential Buffer/16-Bit ADC Driver with Fast Clamp | LAST TIME BUY               | 1             | 1.6G                  | 10k                 | 3.2m       | 13μ          | Fixed       | 0                 | 0                 | 123m          | 4.75              | 5.25              |

|           | Description                                                                       | Product Lifecycle           | # of Channels | BW<br>-3<br>dB<br>typ | Slew Rate<br>typ | Vos<br>max | Ibias<br>max | Gain Set  | Gain<br>dB<br>min | Gain<br>dB<br>max | Iq/Amp<br>typ | Vs<br>span<br>min | Vs<br>span<br>max |
|-----------|-----------------------------------------------------------------------------------|-----------------------------|---------------|-----------------------|------------------|------------|--------------|-----------|-------------------|-------------------|---------------|-------------------|-------------------|
| LTC6362   | Precision, Low Power Rail-to-Rail Input/Output Differential Op Amp/SAR ADC Driver | LAST TIME BUY               | 1             | 34M                   | 45               | 250μ       | 350n         | Resistor  | 0                 | 0                 | 900μ          | 2.8               | 5.25              |
| AD8476    | Low Power, Unity Gain Fully Differential Amplifier & ADC Driver                   | PRODUCTION                  | 1             | 6M                    | 10               | 100μ       | -            | Fixed     | 0                 | 0                 | 330μ          | 3                 | 18                |
| LTC6360   | Very Low Noise Single-Ended SAR ADC Driver with True Zero Output                  | LAST TIME BUY               | 1             | 250M                  | 135              | 250μ       | 30μ          | Resistor  | 0                 | -                 | 13.6m         | 4.75              | 5.25              |
| ADL5565   | 6 GHz Ultrahigh Dynamic Range Differential Amplifier                              | RECOMMENDED FOR NEW DESIGNS | 1             | 6G                    | 11000            | -          | -            | Pin Strap | 6                 | 15.5              | 80m           | 2.8               | 5.2               |
| AD8475    | Precision, Selectable Gain, Fully Differential Funnel Amplifier                   | PRODUCTION                  | 1             | 150M                  | 50               | 143μ       | -            | Pin Strap | -8                | -2                | 3m            | 3                 | 10                |
| ADA4930-1 | Ultralow Noise Drivers for Low Voltage ADCs                                       | RECOMMENDED FOR NEW DESIGNS | 1             | 1.4G                  | 2.8k             | -          | 34μ          | Resistor  | -                 | -                 | 35m           | 3.3               | 5                 |
| ADA4930-2 | Ultralow Noise Drivers for Low Voltage ADCs                                       | RECOMMENDED FOR NEW DESIGNS | 2             | 1.4G                  | 2.8k             | -          | 34μ          | Resistor  | -                 | -                 | 70m           | 3.3               | 5                 |
| MAX9626   | Low-Noise, Low-Distortion, 1.35GHz Fully Differential Amplifiers                  | PRODUCTION                  | 1             | 1.15G                 | 6.5k             | -          | -            | Fixed     | 0                 | 0                 | 59m           | 2.85              | 5.25              |
| MAX9627   | Low-Noise, Low-Distortion, 1.35GHz Fully Differential Amplifiers                  | PRODUCTION                  | 1             | 1.35G                 | 6.1k             | -          | -            | Fixed     | 6                 | 6                 | 59m           | 2.85              | 5.25              |
| LTC6409   | 10GHz GBW, 1.1nV/√Hz Differential Amplifier/ADC Driver                            | RECOMMENDED FOR NEW DESIGNS | 1             | 2G                    | 3.3k             | 1.1m       | -            | Resistor  | 0                 | -                 | 52m           | 2.7               | 5.25              |

|           | Description                                                    | Product Lifecycle           | # of Channels | BW<br>-3 dB<br>typ | Slew Rate<br>typ | Vos<br>max | Ibias<br>max | Gain Set  | Gain<br>min<br>dB | Gain<br>max<br>dB | Iq/Amp<br>typ | Vs<br>min<br>span | Vs<br>max<br>span |
|-----------|----------------------------------------------------------------|-----------------------------|---------------|--------------------|------------------|------------|--------------|-----------|-------------------|-------------------|---------------|-------------------|-------------------|
| AD8351S   | Aerospace Low Distortion Fully Differential RF/IF Amplifier    | PRODUCTION                  | 1             | -                  | -                | -          | -            | Analog    | 0                 | 26                | -             | 3                 | 5.5               |
| LT6350    | Low Noise Single-Ended to Differential Converter/ADC Driver    | RECOMMENDED FOR NEW DESIGNS | 1             | 33M                | 48               | 450μ       | -            | Resistor  | -                 | -                 | 4.8m          | 2.7               | 12                |
| ADA4940-1 | Ultralow Power, Low Distortion ADC Driver                      | PRODUCTION                  | 1             | 260M               | 95               | 350μ       | 1.6μ         | Resistor  | -                 | -                 | 1.25m         | 3                 | 7                 |
| ADA4940-2 | Ultralow Power, Low Distortion ADC Driver                      | PRODUCTION                  | 2             | 260M               | 95               | 350μ       | 1.6μ         | Resistor  | -                 | -                 | 1.25m         | 3                 | 7                 |
| ADA4960-1 | 5 GHz, Low Distortion ADC Driver/Line Driver                   | RECOMMENDED FOR NEW DESIGNS | 1             | 5G                 | 8.7k             | -          | -            | Analog    | 0                 | 18                | 60m           | 4.75              | 5.25              |
| LTC6412   | 800MHz, 31dB Range Analog-Controlled VGA                       | LAST TIME BUY               | 1             | 800M               | -                | -          | -            | Analog    | -14               | 17                | 110m          | 3                 | 3.6               |
| ADL5561   | 2.9 GHz Ultralow Distortion RF/IF Differential Amplifier       | RECOMMENDED FOR NEW DESIGNS | 1             | 2.9G               | 9.8k             | -          | -            | Pin Strap | 6                 | 15.5              | 40m           | 3                 | 3.6               |
| ADL5562   | 3.3 GHz Ultralow Distortion RF/IF Differential Amplifier       | RECOMMENDED FOR NEW DESIGNS | 1             | 3.3G               | 9.8k             | -          | -            | Pin Strap | 6                 | 15.5              | 80m           | 3                 | 3.6               |
| ADA4950-1 | Low Power Selectable Gain Differential ADC Driver, G = 1, 2, 3 | RECOMMENDED FOR NEW DESIGNS | 1             | 750M               | 2.9k             | -          | -            | Pin Strap | 0                 | 9.54              | 9.5m          | 3                 | 11                |
| ADA4950-2 | Low Power Selectable Gain Differential ADC Driver, G = 1, 2, 3 | RECOMMENDED FOR NEW DESIGNS | 2             | 750M               | 2.9k             | -          | -            | Pin Strap | 0                 | 9.54              | 19m           | 3                 | 11                |
| LTC6416   | 2GHz Low Noise Differential 16-Bit ADC Buffer                  | LAST TIME BUY               | 1             | 2G                 | 3.4k             | 5m         | -            | Fixed     | 0                 | 0                 | 42m           | 2.7               | 3.9               |

|                   | Description                                                            | Product Lifecycle           | # of Channels | BW <sub>-3dB</sub><br>typ | Slew Rate<br>typ | V <sub>os</sub> max | I <sub>bias</sub> max | Gain Set | Gain <sub>min</sub><br>dB | Gain <sub>max</sub><br>dB | I <sub>q</sub> /Amp typ | V <sub>s</sub> span<br>min | V <sub>s</sub> span<br>max |
|-------------------|------------------------------------------------------------------------|-----------------------------|---------------|---------------------------|------------------|---------------------|-----------------------|----------|---------------------------|---------------------------|-------------------------|----------------------------|----------------------------|
| <b>ADA4927-1</b>  | Ultralow Distortion Current Feedback Differential ADC Driver           | RECOMMENDED FOR NEW DESIGNS | 1             | 2.3G                      | 5k               | -                   | -                     | Resistor | -                         | -                         | 22.1m                   | 4.5                        | 11                         |
| <b>ADA4927-2</b>  | Ultralow Distortion Current Feedback Differential ADC Driver           | RECOMMENDED FOR NEW DESIGNS | 2             | 2.3G                      | 5k               | -                   | -                     | Resistor | -                         | -                         | 44.2m                   | 4.5                        | 11                         |
| <b>ADA4932-1</b>  | Low Power Differential ADC Driver                                      | RECOMMENDED FOR NEW DESIGNS | 1             | 560M                      | 2.8k             | 2.2m                | 5.2μ                  | Resistor | -                         | -                         | 9.6m                    | 3                          | 11                         |
| <b>ADA4932-2</b>  | Low Power Differential ADC Driver                                      | RECOMMENDED FOR NEW DESIGNS | 2             | 560M                      | 2.8k             | 2.2m                | 5.2μ                  | Resistor | -                         | -                         | 19.2m                   | 3                          | 11                         |
| <b>LT6604-10</b>  | Dual Very Low Noise, Differential Amplifier and 10MHz Lowpass Filter   | RECOMMENDED FOR NEW DESIGNS | 2             | 10M                       | -                | 40m                 | 85μ                   | Resistor | 0                         | -                         | 35m                     | 3                          | 11                         |
| <b>LT6604-15</b>  | Dual Very Low Noise, Differential Amplifier and 15MHz Lowpass Filter   | RECOMMENDED FOR NEW DESIGNS | 2             | 15M                       | -                | 25m                 | 90μ                   | Resistor | 0                         | -                         | 35m                     | 3                          | 11                         |
| <b>LTC6400-8</b>  | 2.2GHz Low Noise, Low Distortion Differential ADC Driver for DC-300MHz | LAST TIME BUY               | 1             | 2.2G                      | 3.81k            | 5m                  | -                     | Fixed    | 8                         | 8                         | 85m                     | 2.85                       | 3.5                        |
| <b>LT6604-2.5</b> | Dual Very Low Noise, Differential Amplifier and 2.5MHz Lowpass Filter  | RECOMMENDED FOR NEW DESIGNS | 2             | 2.5M                      | -                | 25m                 | -                     | Resistor | 0                         | -                         | 26m                     | 3                          | 11                         |
| <b>LT6604-5</b>   | Dual Very Low Noise, Differential Amplifier and 5MHz Lowpass Filter    | RECOMMENDED FOR NEW DESIGNS | 2             | 5M                        | -                | 25m                 | -                     | Resistor | 0                         | -                         | 26m                     | 3                          | 11                         |
| <b>AD8366</b>     | DC to 600 MHz, Dual-Digital Variable Gain Amplifiers                   | RECOMMENDED FOR NEW DESIGNS | 2             | 600M                      | 1.1k             | -                   | -                     | Digital  | 4.5                       | 20.25                     | 180m                    | 4.75                       | 5.25                       |

|                   | Description                                                             | Product Lifecycle           | # of Channels | BW typ<br>-3 dB | Slew Rate typ | Vos max | Ibias max | Gain Set | Gain min<br>dB | Gain max<br>dB | Iq/Amp typ | Vs min<br>span | Vs max<br>span |
|-------------------|-------------------------------------------------------------------------|-----------------------------|---------------|-----------------|---------------|---------|-----------|----------|----------------|----------------|------------|----------------|----------------|
| <b>LTC6405</b>    | 2.7GHz, 5V, Low Noise, Rail-to-Rail Input Differential Amplifier/Driver | LAST TIME BUY               | 1             | 800M            | 690           | 15m     | -         | Resistor | 0              | -              | 18m        | 4.5            | 5.25           |
| <b>LTC6400-14</b> | 2.4GHz Low Noise, Low Distortion Differential ADC Driver for 300MHz IF  | LAST TIME BUY               | 1             | 2.4G            | 6k            | 3m      | -         | Fixed    | 14             | 14             | 85m        | 2.85           | 3.5            |
| <b>ADA4939-1</b>  | Ultralow Distortion Differential ADC Driver                             | RECOMMENDED FOR NEW DESIGNS | 1             | 1.4G            | 6.8k          | -       | -         | Resistor | -              | -              | 37.7m      | 3              | 5.25           |
| <b>ADA4939-2</b>  | Ultralow Distortion Differential ADC Driver                             | RECOMMENDED FOR NEW DESIGNS | 2             | 1.4G            | 6.8k          | -       | -         | Resistor | -              | -              | 75.4m      | 3              | 5.25           |
| <b>AD8138S</b>    | Aerospace 320 MHz Low Distortion Differential Amplifier                 | PRODUCTION                  | 1             | 320M            | 1.15k         | 3.5m    | -         | Resistor | -              | -              | 20m        | 3              | 11             |
| <b>LTC6401-14</b> | 2GHz Low Noise, Low Distortion Differential ADC Driver for DC-140MHz    | LAST TIME BUY               | 1             | 2G              | 3.6k          | 3m      | -         | Fixed    | 14             | 14             | 45m        | 2.85           | 3.5            |
| <b>LTC6420-20</b> | Dual Matched 1.8GHz Differential Amplifiers/ADC Drivers                 | LAST TIME BUY               | 2             | 1.8G            | 4.5k          | 2m      | -         | Fixed    | 20             | 20             | 80m        | 2.85           | 3.5            |
| <b>LTC6421-20</b> | Dual Matched 1.3GHz Differential Amplifiers/ADC Drivers                 | LAST TIME BUY               | 2             | 1.3G            | 4.5k          | 2m      | -         | Fixed    | 20             | 20             | 40m        | 2.85           | 3.5            |
| <b>ADA4937-1</b>  | Ultralow Distortion Differential ADC Driver (Single)                    | RECOMMENDED FOR NEW DESIGNS | 1             | 1.9G            | 6k            | 2.5m    | 50μ       | Resistor | -              | -              | 39.5m      | 3              | 5.25           |
| <b>ADA4937-2</b>  | Ultralow Distortion Differential ADC Driver (Dual)                      | RECOMMENDED FOR NEW DESIGNS | 2             | 1.9G            | 6k            | 2.5m    | 50μ       | Resistor | -              | -              | 80m        | 3              | 5.25           |

|                   | Description                                                                        | Product Lifecycle           | # of Channels | BW typ<br>-3 dB | Slew Rate typ | Vos max | Ibias max | Gain Set | Gain min<br>dB | Gain max<br>dB | Iq/Amp typ | Vs min<br>span | Vs max<br>span |
|-------------------|------------------------------------------------------------------------------------|-----------------------------|---------------|-----------------|---------------|---------|-----------|----------|----------------|----------------|------------|----------------|----------------|
| <b>AD8372</b>     | 41 dB Range, 1 dB Step Size, Programmable Dual VGA                                 | RECOMMENDED FOR NEW DESIGNS | 2             | 130M            | -             | -       | -         | Digital  | -9             | 32             | 212m       | 4.5            | 5.5            |
| <b>AD8139</b>     | Low Noise, Rail-to-Rail, Differential ADC Driver                                   | RECOMMENDED FOR NEW DESIGNS | 1             | 410M            | 800           | 500μ    | 8μ        | Resistor | -              | -              | 24.5m      | 4.5            | 12             |
| <b>LTC6401-8</b>  | 2.2GHz Low Noise, Low Distortion Differential ADC Driver for DC-140MHz             | LAST TIME BUY               | 1             | 2.2G            | 3.4k          | 4m      | -         | Fixed    | 8              | 8              | 45m        | 2.85           | 3.5            |
| <b>LTC6403-1</b>  | 200MHz, Low Noise, Low Power Fully Differential Input/Output Amplifier/Driver      | LAST TIME BUY               | 1             | 200M            | 200           | 1.5m    | 25μ       | Resistor | 0              | -              | 10.8m      | 2.7            | 5.25           |
| <b>LTC6400-26</b> | 1.9GHz Low Noise, Low Distortion Differential ADC Driver for DC-300MHz             | LAST TIME BUY               | 1             | 1.9G            | 6.67k         | 2m      | -         | Fixed    | 26             | 26             | 85m        | 2.85           | 3.5            |
| <b>LTC6401-26</b> | 1.6GHz Low Noise, Low Distortion Differential ADC Driver for DC-140MHz             | LAST TIME BUY               | 1             | 1.6G            | 3.3k          | -       | -         | Fixed    | 26             | 26             | 45m        | 2.85           | 3.5            |
| <b>LTC6404-1</b>  | 600MHz, Low Noise, High Precision Fully Differential Input/Output Amplifier/Driver | LAST TIME BUY               | 1             | 600M            | 450           | 2m      | 60μ       | Resistor | 0              | -              | 27.2m      | 2.7            | 5.5            |
| <b>LTC6404-2</b>  | 600MHz, Low Noise, High Precision Fully Differential Input/Output Amplifier/Driver | LAST TIME BUY               | 1             | 600M            | 700           | 2m      | 60μ       | Resistor | 6              | -              | 29.7m      | 2.7            | 5.5            |
| <b>LTC6404-4</b>  | 600MHz, Low Noise, High Precision Fully Differential Input/Output Amplifier/Driver | LAST TIME BUY               | 1             | 530M            | 1.2k          | 2m      | 60μ       | Resistor | 12             | -              | 30m        | 2.7            | 5.5            |



|            | Description                                                                           | Product Lifecycle           | # of Channels | BW <sup>typ</sup><br>-3 dB | Slew Rate <sup>typ</sup> | V <sub>os</sub> <sup>max</sup> | I <sub>bias</sub> <sup>max</sup> | Gain Set | Gain <sub>min</sub> <sup>dB</sup> | Gain <sub>max</sub> <sup>dB</sup> | I <sub>q</sub> /Amp <sup>typ</sup> | V <sub>s</sub> <sub>span</sub> <sup>min</sup> | V <sub>s</sub> <sub>span</sub> <sup>max</sup> |
|------------|---------------------------------------------------------------------------------------|-----------------------------|---------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------|-----------------------------------|-----------------------------------|------------------------------------|-----------------------------------------------|-----------------------------------------------|
| ADA4938-1  | Ultralow Distortion Differential ADC Driver (Single)                                  | RECOMMENDED FOR NEW DESIGNS | 1             | 1G                         | 4.7k                     | -                              | -                                | Resistor | -                                 | -                                 | 40m                                | 4.5                                           | 11                                            |
| ADA4938-2  | Ultralow Distortion Differential ADC Driver (Dual)                                    | RECOMMENDED FOR NEW DESIGNS | 2             | 1G                         | 4.7k                     | -                              | -                                | Resistor | -                                 | -                                 | 80m                                | 4.5                                           | 11                                            |
| AD8368     | 800 MHz, Linear-in-dB VGA with AGC Detector                                           | RECOMMENDED FOR NEW DESIGNS | 1             | 800M                       | -                        | -                              | -                                | Analog   | -12                               | 22                                | 60m                                | 4.75                                          | 5.5                                           |
| LTC6410-6  | Low Distortion, Low Noise Differential IF Amplifier with Configurable Input Impedance | LAST TIME BUY               | 1             | 1.4G                       | 1.5k                     | 2m                             | -                                | Fixed    | 6                                 | 6                                 | 104m                               | 2.8                                           | 5.5                                           |
| AD8375     | Ultralow Distortion IF VGA                                                            | PRODUCTION                  | 1             | 630M                       | 5k                       | -                              | -                                | Digital  | -4                                | 20                                | 125m                               | 4.5                                           | 5.5                                           |
| AD8376     | Ultralow Distortion IF Dual VGA                                                       | RECOMMENDED FOR NEW DESIGNS | 2             | 700M                       | 5k                       | -                              | -                                | Digital  | -4                                | 20                                | 250m                               | 4.5                                           | 5.5                                           |
| LTC6406    | 3GHz, Low Noise, Rail-to-Rail Input Differential Amplifier/Driver                     | LAST TIME BUY               | 1             | 800M                       | 630                      | 5m                             | -                                | Resistor | 0                                 | -                                 | 18m                                | 2.7                                           | 3.5                                           |
| LTC6400-20 | 1.8GHz Low Noise, Low Distortion Differential ADC Driver for 300MHz IF                | LAST TIME BUY               | 1             | 1.8G                       | 4.5k                     | -                              | -                                | Fixed    | 20                                | 20                                | 90m                                | 2.85                                          | 3.5                                           |
| LTC6401-20 | 1.3GHz Low Noise, Low Distortion Differential ADC Driver for 140MHz IF                | LAST TIME BUY               | 1             | 1.3G                       | 4.5k                     | -                              | -                                | Fixed    | 20                                | 20                                | 50m                                | 2.85                                          | 3.5                                           |
| AD8138     | Low Distortion Differential ADC Driver                                                | PRODUCTION                  | 1             | 320M                       | 1.15k                    | 3.5m                           | 7μ                               | Resistor | -                                 | -                                 | 20m                                | 3                                             | 11                                            |

|           | Description                                                                    | Product Lifecycle           | # of Channels | BW<br>-3 dB<br>typ | Slew Rate<br>typ | Vos<br>max | Ibias<br>max | Gain Set  | Gain<br>min<br>dB | Gain<br>max<br>dB | Iq/Amp<br>typ | Vs<br>min<br>span | Vs<br>max<br>span |
|-----------|--------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|------------------|------------|--------------|-----------|-------------------|-------------------|---------------|-------------------|-------------------|
| AD8370    | 750 MHz Digitally Controlled Variable Gain Amplifier                           | PRODUCTION                  | 1             | 750M               | 5.75k            | -          | -            | Digital   | -11               | 34                | 79m           | 3                 | 5.5               |
| AD8132    | Low Cost, High Speed Differential Amplifier                                    | PRODUCTION                  | 1             | 350M               | 1.2k             | 3.5m       | 7μ           | Resistor  | -                 | -                 | 12m           | 2.7               | 11                |
| AD8352    | 2 GHz Ultralow Distortion Differential RF/IF Amplifier                         | RECOMMENDED FOR NEW DESIGNS | 1             | 2.2G               | 9k               | -          | -            | Analog    | 3                 | 25                | 37m           | 3                 | 5.5               |
| LT6411    | 650MHz Differential ADC Driver/Dual Selectable Gain Amplifier                  | RECOMMENDED FOR NEW DESIGNS | 2             | 650M               | 3.3k             | 10m        | -            | Pin Strap | 0                 | 6                 | 16m           | 4.5               | 12.6              |
| LT6402-12 | 300MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 12dB) | RECOMMENDED FOR NEW DESIGNS | 1             | 300M               | 400              | 6.5m       | -            | Fixed     | 12                | 12                | 30m           | 4                 | 5.5               |
| LT6402-20 | 300MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 20dB) | PRODUCTION                  | 1             | 300M               | 400              | 6.5m       | -            | Fixed     | 20                | 20                | 30m           | 4                 | 5.5               |
| LT6402-6  | 300MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 6dB)  | RECOMMENDED FOR NEW DESIGNS | 1             | 300M               | 400              | 6.5m       | -            | Fixed     | 6                 | 6                 | 30m           | 4                 | 5.5               |
| ADA4941-1 | Single-Supply, Differential 18-Bit ADC Driver                                  | PRODUCTION                  | 1             | 31M                | 22               | -          | -            | Analog    | -                 | -                 | 2.3m          | 2.7               | 12                |
| AD8351    | Low Distortion Differential RF/IF Amplifier                                    | PRODUCTION                  | 1             | 2.2G               | 13k              | -          | -            | Analog    | 0                 | 26                | 28m           | 3                 | 5.5               |
| AD8369    | 600 MHz, 45 dB Digitally Controlled Variable Gain Amplifier                    | PRODUCTION                  | 1             | 600M               | 1.2k             | -          | -            | Digital   | -10               | 40                | 37m           | 3                 | 5.5               |

|                  | Description                                                                                 | Product Lifecycle               | # of Channels | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> max | I <sub>bias</sub> max | Gain Set      | Gain <sub>min</sub><br>dB | Gain <sub>max</sub><br>dB | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> min<br>span | V <sub>s</sub> max<br>span |
|------------------|---------------------------------------------------------------------------------------------|---------------------------------|---------------|----------------------------|--------------------------|---------------------|-----------------------|---------------|---------------------------|---------------------------|------------------------------------|----------------------------|----------------------------|
| <b>AD8350</b>    | Low Distortion 1.0 GHz Differential Amplifier                                               | PRODUCTION                      | 1             | 900M                       | 2k                       | -                   | -                     | Analog, Fixed | 20                        | 20                        | 30m                                | 5                          | 10                         |
| <b>ADA4922-1</b> | High Voltage, Differential 18-Bit ADC Driver                                                | PRODUCTION                      | 1             | 38M                        | 730                      | -                   | -                     | Fixed         | 6                         | 6                         | 9.4m                               | 5                          | 26                         |
| <b>AD8137</b>    | Low Cost, Low Power Differential ADC Driver                                                 | PRODUCTION                      | 1             | 76M                        | 450                      | 2.6m                | -                     | Resistor      | -                         | -                         | 3.2m                               | 2.7                        | 12                         |
| <b>AD8131</b>    | Low-Cost, High Speed Differential Driver                                                    | PRODUCTION                      | 1             | 400M                       | 2k                       | -                   | -                     | Fixed         | 6                         | 6                         | 11.5m                              | 2.8                        | 11                         |
| <b>LT1994</b>    | Low Noise, Low Distortion Fully Differential Input/Output Amplifier/Driver                  | PRODUCTION                      | 1             | 70M                        | 65                       | -                   | -                     | Resistor      | 0                         | -                         | 13.3m                              | 2.375                      | 12.6                       |
| <b>LT1993-10</b> | 700MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (A <sub>V</sub> = 10V/V) | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 700M                       | 1.1k                     | 6.5m                | -                     | Fixed         | 20                        | 20                        | 100m                               | 4                          | 5.5                        |
| <b>LT1993-2</b>  | 800MHz Low Distortion, Low Noise Differential Amplifier ADC Driver (A <sub>v</sub> = 2V/V)  | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 800M                       | 1.1k                     | 6.5m                | -                     | Fixed         | 6                         | 6                         | 100m                               | 4                          | 5.5                        |
| <b>LT1993-4</b>  | 900MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (A <sub>V</sub> = 4V/V)  | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 900M                       | 1.1k                     | 6.5m                | -                     | Fixed         | 12                        | 4                         | 100m                               | 4                          | 5.5                        |
| <b>LT5524</b>    | Low Distortion IF Amplifier/ADC Driver with Digitally Controlled Gain                       | PRODUCTION                      | 1             | 540M                       | -                        | -                   | -                     | Digital       | 4.5                       | 27                        | 75m                                | 4.75                       | 5.25                       |
| <b>LT5514</b>    | Ultralow Distortion IF Amplifier/ADC Driver with Digitally Controlled Gain                  | PRODUCTION                      | 1             | 850M                       | -                        | -                   | -                     | Digital       | 10.5                      | 33                        | 148m                               | 4.75                       | 5.25                       |

|                   | Description                                                        | Product Lifecycle | # of Channels | BW<br>-3<br>dB<br>typ | Slew<br>Rate<br>typ | Vos<br>max | Ibias<br>max | Gain<br>Set | Gain<br>min<br>dB | Gain<br>max<br>dB | Iq/Amp<br>typ | Vs<br>min<br>span | Vs<br>max<br>span |
|-------------------|--------------------------------------------------------------------|-------------------|---------------|-----------------------|---------------------|------------|--------------|-------------|-------------------|-------------------|---------------|-------------------|-------------------|
| <b>LTC1992</b>    | Low Power, Fully Differential Input/Output Amplifier/Driver Family | PRODUCTION        | 1             | 3.2M                  | 1.5                 | 2.5m       | 250p         | Resistor    | 0                 | -                 | 650μ          | 2.7               | 11                |
| <b>LTC1992-1</b>  | Low Power, Fully Differential Input/Output Amplifier/Driver Family | PRODUCTION        | 1             | 3M                    | 1.5                 | 2.5m       | 250p         | Fixed       | 0                 | 0                 | 650μ          | 2.7               | 11                |
| <b>LTC1992-10</b> | Low Power, Fully Differential Input/Output Amplifier/Driver Family | PRODUCTION        | 1             | 4M                    | 2                   | 2.5m       | 250p         | Fixed       | 20                | 20                | 650μ          | 2.7               | 11                |
| <b>LTC1992-2</b>  | Low Power, Fully Differential Input/Output Amplifier/Driver Family | PRODUCTION        | 1             | 4M                    | 2                   | 2.5m       | 250p         | Fixed       | 6                 | 6                 | 650μ          | 2.7               | 11                |
| <b>LTC1992-5</b>  | Low Power, Fully Differential Input/Output Amplifier/Driver Family | PRODUCTION        | 1             | 4M                    | 2                   | 2.5m       | 250p         | Fixed       | 14                | 14                | 650μ          | 2.7               | 11                |
| <b>LT6600-10</b>  | Very Low Noise, Differential Amplifier and 10MHz Lowpass Filter    | PRODUCTION        | 1             | 10M                   | -                   | 13m        | 85μ          | Resistor    | 0                 | -                 | 39m           | 2.7               | 11                |
| <b>LT6600-15</b>  | Very Low Noise, Differential Amplifier and 15MHz Lowpass Filter    | PRODUCTION        | 1             | 15M                   | -                   | 15m        | 90μ          | Resistor    | 0                 | -                 | 46m           | 2.7               | 11                |
| <b>LT6600-2.5</b> | Very Low Noise, Differential Amplifier and 2.5MHz Lowpass Filter   | PRODUCTION        | 1             | 2.5M                  | -                   | 13m        | 35μ          | Resistor    | 0                 | -                 | 26m           | 2.7               | 11                |
| <b>LT6600-20</b>  | Very Low Noise, Differential Amplifier and 20MHz Lowpass Filter    | PRODUCTION        | 1             | 20M                   | -                   | 15m        | 95μ          | Resistor    | 0                 | -                 | 46m           | 2.7               | 11                |
| <b>LT6600-5</b>   | Very Low Noise, Differential Amplifier and 5MHz Lowpass Filter     | PRODUCTION        | 1             | 5M                    | -                   | 25m        | 70μ          | Resistor    | 0                 | -                 | 28m           | 2.7               | 11                |
| <b>LT1567</b>     | 1.4nV/√Hz 180MHz Filter Building Block                             | PRODUCTION        | 1             | 5M                    | 55                  | -          | -            | Analog      | -                 | -                 | 11m           | 2.7               | 12                |

# Instrumentation Amplifiers

| Parts             | Description                                                                                     | Product Lifecycle           | # of Amps | V <sub>os</sub> <sub>max</sub> | V <sub>os</sub> <sub>TC</sub> <sub>max</sub> | Gain Set | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | I <sub>bias</sub> <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | I <sub>q</sub> /Amp <sub>max</sub> | V <sub>s</sub> <sub>span</sub> <sub>min</sub> | V <sub>s</sub> <sub>span</sub> <sub>max</sub> |
|-------------------|-------------------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------------------|----------------------------------------------|----------|---------------------|---------------------|------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------------------|-----------------------------------------------|
| <b>ADA4255</b>    | Zero Drift, High Voltage, Programmable Gain Instrumentation Amplifier with Charge Pump          | RECOMMENDED FOR NEW DESIGNS | 1         | 14μ                            | 80n                                          | Digital  | 0.0625              | 176                 | 1.8M                         | 1.5n                             | 17n                                | 18.26m                             | 2.7                                           | 5                                             |
| <b>MAX41400</b>   | Low-Power, Precision Instrumentation Amplifier with Programmable Gain                           | RECOMMENDED FOR NEW DESIGNS | 1         | 25μ                            | -                                            | Digital  | 10                  | 250                 | 28k                          | 150p                             | 36n                                | 90μ                                | 1.7                                           | 3.6                                           |
| <b>LT6372-0.2</b> | Precision, Funneling Instrumentation Amplifier with Level Shift and Output Clamping             | RECOMMENDED FOR NEW DESIGNS | 1         | 60μ                            | 600n                                         | Resistor | 0.2                 | 200                 | 4M                           | 800p                             | 7n                                 | 2.65m                              | 4.75                                          | 35                                            |
| <b>LT6372-1</b>   | Precision Instrumentation Amplifier with Level Shift and Output Clamping                        | RECOMMENDED FOR NEW DESIGNS | 1         | 60μ                            | 600n                                         | Resistor | 1                   | 1000                | 3.1M                         | 800p                             | 7n                                 | 2.65m                              | 4.75                                          | 35                                            |
| <b>LTC6373</b>    | 36V Fully-Differential Programmable-Gain Instrumentation Amplifier with 25pA Input Bias Current | RECOMMENDED FOR NEW DESIGNS | 1         | 80μ                            | 1.5μ                                         | Digital  | 0.25                | 16                  | 6.5M                         | 25p                              | 8n                                 | 4.75m                              | 9                                             | 36                                            |

|         | Description                                                                                               | Product Lifecycle               | # of Amps | Vos <sub>max</sub> | Vos <sub>max</sub> TC | Gain Set   | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | Ibias <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | Iq/Amp <sub>max</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|---------|-----------------------------------------------------------------------------------------------------------|---------------------------------|-----------|--------------------|-----------------------|------------|---------------------|---------------------|------------------------------|----------------------|------------------------------------|-----------------------|------------------------|------------------------|
| ADA4254 | Zero Drift, High Voltage, Low Power, Programmable Gain Instrumentation Amplifier                          | RECOMMENDED FOR NEW DESIGNS     | 1         | 14μ                | 80n                   | Digital    | 0.0625              | 176                 | 1.8M                         | 1.5n                 | 17n                                | 2.29m                 | 10                     | 56                     |
| LT6370  | 25μV, 0.3μV/°C, Low Noise Instrumentation Amplifier                                                       | RECOMMENDED FOR NEW DESIGNS     | 1         | 25μ                | 300n                  | Resistor   | 1                   | 10000               | 3.1M                         | 400p                 | 7n                                 | 2.75m                 | 4.75                   | 35                     |
| ADA4558 | Bridge Sensor Signal Conditioner IC with LIN Interface, Nonlinearity Correction, Temperature Compensation | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 20μ                | -                     | Digital    | 2.94                | 971.1               | 550k                         | -                    | -                                  | 8.2m                  | 6                      | 18                     |
| AD8233  | 50 μA, 2 mm × 1.7 mm WLCSP, Low Noise, Heart Rate Monitor for Wearable Products                           | RECOMMENDED FOR NEW DESIGNS     | 1         | 6m                 | -                     | Resistor   | 100                 | 1100                | 1k                           | 200p                 | 150n                               | 70μ                   | 1.7                    | 3.5                    |
| AD8422  | High Performance, Low Power, Rail-to-Rail Precision Instrumentation Amplifier                             | RECOMMENDED FOR NEW DESIGNS     | 1         | 25μ                | -                     | Resistor   | 1                   | 1000                | 2.2M                         | 500p                 | 8n                                 | 368μ                  | 4.6                    | 36                     |
| AD8232  | Single-Lead, Heart Rate Monitor Front End                                                                 | RECOMMENDED FOR NEW DESIGNS     | 1         | 8m                 | 10μ                   | Fixed Gain | 100                 | 100                 | 2k                           | 200p                 | 100n                               | 230μ                  | 2                      | 3.5                    |

|         | Description                                                           | Product Lifecycle           | # of Amps | V <sub>os</sub> <sub>max</sub> | V <sub>os</sub> <sub>max</sub> TC | Gain Set   | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | I <sub>bias</sub> <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | I <sub>q</sub> /Amp <sub>max</sub> | V <sub>s</sub> <sub>min</sub> span | V <sub>s</sub> <sub>max</sub> span |
|---------|-----------------------------------------------------------------------|-----------------------------|-----------|--------------------------------|-----------------------------------|------------|---------------------|---------------------|------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| AD8237  | Micropower, Zero Drift, True Rail-to-Rail Instrumentation Amplifier   | RECOMMENDED FOR NEW DESIGNS | 1         | 75μ                            | 300n                              | Resistor   | 1                   | 1000                | 200k                         | 650p                             | 68n                                | 130μ                               | 1.8                                | 5.5                                |
| AD8229S | Aerospace 1 nV/√Hz Low Noise Instrumentation Amplifier                | RECOMMENDED FOR NEW DESIGNS | 1         | 100μ                           | 1μ                                | Resistor   | 1                   | 1000                | 15M                          | -                                | 1.1n                               | 9m                                 | 8                                  | 34                                 |
| AD8421  | 3 nV /√Hz, Low Power Instrumentation Amplifier                        | RECOMMENDED FOR NEW DESIGNS | 1         | 25μ                            | 200n                              | Resistor   | 1                   | 10000               | 10M                          | 500p                             | 3n                                 | 2.3m                               | 5                                  | 36                                 |
| AD8428  | Low Noise, Low Gain Drift, G = 2000 Instrumentation Amplifier         | RECOMMENDED FOR NEW DESIGNS | 1         | 25μ                            | 300n                              | Fixed Gain | 2000                | 2000                | 3.5M                         | 50n                              | 1.3n                               | 6.8m                               | 8                                  | 36                                 |
| AD8426  | Wide Supply Range, Rail-to-Rail Output Instrumentation Amplifier      | RECOMMENDED FOR NEW DESIGNS | 2         | 100μ                           | 1μ                                | Resistor   | 1                   | 1000                | 1.5M                         | 27n                              | 24n                                | 425μ                               | 2.2                                | 36                                 |
| AD8429  | 1 nV/√Hz Low Noise Instrumentation Amplifier                          | PRODUCTION                  | 1         | 50μ                            | 300n                              | Resistor   | 1                   | 10000               | 15M                          | 150n                             | 1n                                 | 7m                                 | 8                                  | 36                                 |
| AD8420  | Wide Supply Range, Micropower, Rail-to-Rail Instrumentation Amplifier | RECOMMENDED FOR NEW DESIGNS | 1         | 150μ                           | 1μ                                | Resistor   | 1                   | 1000                | 250k                         | 27n                              | 55n                                | 100μ                               | 2.7                                | 36                                 |

|            | Description                                                           | Product Lifecycle | # of Amps | V <sub>os</sub> <sub>max</sub> | V <sub>os</sub> <sub>max</sub> TC | Gain Set   | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | I <sub>bias</sub> <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | I <sub>q</sub> /Amp <sub>max</sub> | V <sub>s</sub> <sub>min</sub> span | V <sub>s</sub> <sub>max</sub> span |
|------------|-----------------------------------------------------------------------|-------------------|-----------|--------------------------------|-----------------------------------|------------|---------------------|---------------------|------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| AD8229     | 1 nV/√Hz Low Noise 210°C Instrumentation Amplifier                    | PRODUCTION        | 1         | 100μ                           | 1μ                                | Resistor   | 1                   | 1000                | 15M                          | 70n                              | 1n                                 | 7m                                 | 8                                  | 34                                 |
| AD8227     | Wide Supply Range, Rail-to-Rail Output Instrumentation Amplifier      | PRODUCTION        | 1         | 100μ                           | 1μ                                | Resistor   | 5                   | 1000                | 250k                         | 27n                              | 24n                                | 425μ                               | 2.2                                | 36                                 |
| AD8235     | 40 μA Micropower Instrumentation Amplifier in WLCSP Package           | PRODUCTION        | 1         | 2.5m                           | 700n                              | Resistor   | 5                   | 200                 | 23k                          | 50p                              | 76n                                | 40μ                                | 1.8                                | 5.5                                |
| AD8236     | 40 μA Micropower Instrumentation Amplifier                            | PRODUCTION        | 1         | 3.5m                           | 2.5μ                              | Resistor   | 5                   | 200                 | 23k                          | 10p                              | 76n                                | 40μ                                | 1.8                                | 5.5                                |
| AD8226     | Wide Supply Range, Rail-to-Rail Output Instrumentation Amplifier      | PRODUCTION        | 1         | 50μ                            | 1μ                                | Resistor   | 1                   | 1000                | 1.5M                         | 27n                              | 22n                                | 425μ                               | 2.2                                | 36                                 |
| AD8295     | Precision Instrumentation Amplifier with Signal Processing Amplifiers | PRODUCTION        | 1         | 60μ                            | 300n                              | Resistor   | 1                   | 1000                | 1.2M                         | 800p                             | 8n                                 | 2.3m                               | 4.6                                | 36                                 |
| AD8293G160 | Low Cost, Zero-Drift In-Amp with Filter and Fixed Gain = 160          | PRODUCTION        | 1         | 50μ                            | 300n                              | Fixed Gain | 160                 | 160                 | 500k                         | 2n                               | 35n                                | 1.3m                               | 1.8                                | 5.5                                |
| AD8293G80  | Low Cost, Zero-Drift In-Amp with Filter and Fixed Gain = 80           | PRODUCTION        | 1         | 50μ                            | 300n                              | Fixed Gain | 80                  | 80                  | 500k                         | 2n                               | 35n                                | 1.3m                               | 1.8                                | 5.5                                |



|        | Description                                                                   | Product Lifecycle | # of Amps | V <sub>os</sub> <sub>max</sub> | V <sub>os</sub> <sub>max</sub> TC | Gain Set  | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | I <sub>bias</sub> <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | I <sub>q</sub> /Amp <sub>max</sub> | V <sub>s</sub> <sub>min</sub> span | V <sub>s</sub> <sub>max</sub> span |
|--------|-------------------------------------------------------------------------------|-------------------|-----------|--------------------------------|-----------------------------------|-----------|---------------------|---------------------|------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| AD8228 | Low Gain Drift Precision Instrumentation Amplifier Fixed G = 10, 100          | PRODUCTION        | 1         | 50μ                            | 800n                              | Pin Strap | 10                  | 100                 | 650k                         | 600p                             | 8n                                 | 1m                                 | 4.6                                | 36                                 |
| AMP01S | Aerospace Low-Noise Precision Instrumentation Amplifier                       | PRODUCTION        | 1         | 100μ                           | 1μ                                | Resistor  | 1                   | 10000               | -                            | -                                | -                                  | 4.8m                               | 9                                  | 36                                 |
| AD8231 | Zero Drift, Digitally Programmable Instrumentation Amplifier                  | PRODUCTION        | 1         | 15μ                            | 50n                               | Digital   | 1                   | 128                 | 2.7M                         | 500p                             | 32n                                | 5m                                 | 3                                  | 6                                  |
| AD8220 | JFET Input Instrumentation Amplifier with Rail-to-Rail Output in MSOP Package | PRODUCTION        | 1         | 125μ                           | 5μ                                | Resistor  | 1                   | 1000                | 1.5M                         | 10p                              | 14n                                | 750μ                               | 4.5                                | 36                                 |
| AD8221 | Precision Instrumentation Amplifier                                           | PRODUCTION        | 1         | 25μ                            | 300n                              | Resistor  | 1                   | 1000                | 825k                         | 400p                             | 8n                                 | 1.2m                               | 4.6                                | 36                                 |
| AD8223 | Single-Supply, Low Cost Instrumentation Amplifier                             | PRODUCTION        | 1         | 100μ                           | 1μ                                | Resistor  | 5                   | 1000                | 125k                         | 25n                              | 30n                                | 500μ                               | 3                                  | 24                                 |
| AD8224 | Precision, Dual-Channel, JFET Input, Rail-to-Rail Instrumentation Amplifier   | PRODUCTION        | 2         | 175μ                           | 5μ                                | Resistor  | 1                   | 1000                | 1.5M                         | 10p                              | 14n                                | 800μ                               | 4.5                                | 36                                 |

|        | Description                                                                     | Product Lifecycle | # of Amps | V <sub>os</sub> max | V <sub>os</sub> max TC | Gain Set | Gain min | Gain max | BW typ - low gain | I <sub>bias</sub> max | Input Voltage Noise typ | I <sub>q</sub> /Amp max | V <sub>s</sub> min span | V <sub>s</sub> max span |
|--------|---------------------------------------------------------------------------------|-------------------|-----------|---------------------|------------------------|----------|----------|----------|-------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| AD8230 | 16 V Rail-to-Rail, Zero-Drift, Precision Instrumentation Amplifier              | PRODUCTION        | 1         | 10μ                 | 50n                    | Resistor | 2        | 1000     | 2k                | 1n                    | 240n                    | 4m                      | 8                       | 16                      |
| AD8250 | 10 MHz G = 1, 2, 5, 10 iCMOS® Programmable Gain Instrumentation Amplifier       | PRODUCTION        | 1         | 200μ                | 6.2μ                   | Digital  | 1        | 10       | 10M               | 30n                   | 18n                     | 4.5m                    | 10                      | 30                      |
| AD8251 | 10 MHz, G = 1, 2, 4, 8 iCMOS® Programmable Gain Instrumentation Amplifier       | PRODUCTION        | 1         | 200μ                | 6.2μ                   | Digital  | 1        | 8        | 10M               | 30n                   | 18n                     | 4.5m                    | 10                      | 34                      |
| AD8253 | 10 MHz, G = 1, 10, 100, 1000 iCMOS® Programmable Gain Instrumentation Amplifier | PRODUCTION        | 1         | 150μ                | 6.2μ                   | Digital  | 1        | 1000     | 10M               | 50n                   | 10n                     | 5.3m                    | 10                      | 30                      |
| AD620  | Low Drift, Low Power Instrumentation Amp with Set Gains of 1 to 10000           | PRODUCTION        | 1         | 50μ                 | 600n                   | Resistor | 1        | 10000    | 1M                | 1n                    | 9n                      | 1.3m                    | 4.6                     | 36                      |
| AD623  | Single and Dual-Supply, Rail-to-Rail, Low Cost Instrumentation Amplifier        | PRODUCTION        | 1         | 100μ                | 1μ                     | Resistor | 1        | 1000     | 800k              | 25n                   | 35n                     | 550μ                    | 2.7                     | 12                      |

|         | Description                                                                  | Product Lifecycle           | # of Amps | V <sub>os</sub> max | V <sub>os</sub> max TC | Gain Set   | Gain min | Gain max | BW typ - low gain | I <sub>bias</sub> max | Input Voltage Noise typ | I <sub>q</sub> /Amp max | V <sub>s</sub> min span | V <sub>s</sub> max span |
|---------|------------------------------------------------------------------------------|-----------------------------|-----------|---------------------|------------------------|------------|----------|----------|-------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| MAX4208 | Ultra-Low Offset/Drift, Precision Instrumentation Amplifiers with REF Buffer | PRODUCTION                  | 1         | 20μ                 | -                      | Resistor   | -        | -        | 750k              | 10p                   | 140n                    | 1.3m                    | 2.85                    | 5.5                     |
| MAX4209 | Ultra-Low Offset/Drift, Precision Instrumentation Amplifiers with REF Buffer | PRODUCTION                  | 1         | 20μ                 | -                      | Digital    | 10       | 100      | 750k              | 10p                   | 140n                    | 1.3m                    | 2.85                    | 5.5                     |
| AD622   | Low Cost Instrumentation Amplifier                                           | PRODUCTION                  | 1         | 125μ                | 1μ                     | Resistor   | 1        | 1000     | 1M                | 5n                    | 12n                     | 1.3m                    | 5.2                     | 36                      |
| AD8290  | G = 50, CMOS Sensor Amplifier with Current Excitation                        | PRODUCTION                  | 1         | 35m                 | 300μ                   | Fixed Gain | 50       | 50       | 250               | 1n                    | -                       | 1.8m                    | 2.6                     | 5.5                     |
| AD8557  | Digitally Programmable Sensor Signal Amplifier                               | RECOMMENDED FOR NEW DESIGNS | 1         | 12μ                 | 65n                    | Digital    | 28       | 1300     | 600k              | 25n                   | 32n                     | -                       | 2.7                     | 5.5                     |
| AD8222  | Precision, Dual-Channel Instrumentation Amplifier                            | PRODUCTION                  | 2         | 60μ                 | 300n                   | Resistor   | 1        | 10000    | 1.2M              | 1n                    | 8n                      | 1.1m                    | 4.6                     | 36                      |
| AD627   | Micropower, Single and Dual Supply R/R Instrumentation Amplifier             | PRODUCTION                  | 1         | 150μ                | 1μ                     | Resistor   | 5        | 1000     | 80k               | 10n                   | 38n                     | 85μ                     | 2.2                     | 36                      |
| AD8553  | 1.8 V to 5 V Auto-Zero, In-Amp with Shutdown                                 | PRODUCTION                  | 1         | 375μ                | 3μ                     | Resistor   | 1        | 1000     | 1k                | 1n                    | 30n                     | 1.2m                    | 1.8                     | 5.5                     |

|        | Description                                                             | Product Lifecycle               | # of Amps | V <sub>os</sub> <sub>max</sub> | V <sub>os</sub> <sub>max</sub> TC | Gain Set   | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | I <sub>bias</sub> <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | I <sub>q</sub> /Amp <sub>max</sub> | V <sub>s</sub> <sub>min</sub> span | V <sub>s</sub> <sub>max</sub> span |
|--------|-------------------------------------------------------------------------|---------------------------------|-----------|--------------------------------|-----------------------------------|------------|---------------------|---------------------|------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| AMP01  | Low Noise, Precision Instrumentation Amplifier                          | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 100μ                           | 1μ                                | Resistor   | 0.1                 | 10000               | 570k                         | 4n                               | 5n                                 | 4.8m                               | 9                                  | 36                                 |
| AMP02  | High Accuracy 8-Pin Instrumentation Amplifier                           | PRODUCTION                      | 1         | 100μ                           | 2μ                                | Resistor   | 1                   | 10000               | 1.2M                         | 10n                              | 9n                                 | 6m                                 | 9                                  | 36                                 |
| AD8225 | Precision Gain of 5 Instrumentation Amplifier                           | PRODUCTION                      | 1         | 150μ                           | 2μ                                | Fixed Gain | 5                   | 5                   | 900k                         | 1.2n                             | 45n                                | 1.2m                               | 3.4                                | 36                                 |
| AD524  | Precision Instrumentation Amplifier                                     | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 50μ                            | 500n                              | Pin Strap  | 1                   | 1000                | 1M                           | 15n                              | 7n                                 | 5m                                 | 12                                 | 36                                 |
| AD621  | Low Drift, Low Power Instrumentation Amp with fixed gains of 10 and 100 | PRODUCTION                      | 1         | 25μ                            | 1.5μ                              | Pin Strap  | 10                  | 100                 | 800k                         | 500p                             | 9n                                 | 1.3m                               | 4.6                                | 36                                 |
| AD624  | High Precision, Low Noise Instrumentation Amplifier                     | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 25μ                            | 250n                              | Pin Strap  | 1                   | 1000                | 1M                           | 50n                              | 4n                                 | 5m                                 | 12                                 | 36                                 |
| AD625  | Programmable Gain Instrumentation Amplifier                             | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 25μ                            | 250n                              | Resistor   | 1                   | 10000               | 650k                         | 15n                              | 4n                                 | 5m                                 | 12                                 | 36                                 |
| AD8556 | Digitally Programmable Sensor Signal Amplifier with EMI Filters         | PRODUCTION                      | 1         | 12μ                            | 65n                               | Digital    | 70                  | 1280                | 280k                         | 54n                              | 32n                                | 2.7m                               | 5                                  | 5.5                                |

|          | Description                                                                      | Product Lifecycle | # of Amps | V <sub>os</sub> <sub>max</sub> | V <sub>os</sub> <sub>max</sub> TC | Gain Set | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | I <sub>bias</sub> <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | I <sub>q</sub> /Amp <sub>max</sub> | V <sub>s</sub> <sub>min</sub> span | V <sub>s</sub> <sub>max</sub> span |
|----------|----------------------------------------------------------------------------------|-------------------|-----------|--------------------------------|-----------------------------------|----------|---------------------|---------------------|------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| AMP04    | Precision Single Supply Instrumentation Amplifier                                | PRODUCTION        | 1         | 400μ                           | 3μ                                | Resistor | 1                   | 1000                | 700k                         | 30n                              | 270n                               | 900μ                               | 5                                  | 36                                 |
| LTC6915  | Zero Drift, Precision Instrumentation Amplifier with Digitally Programmable Gain | PRODUCTION        | 1         | 10μ                            | 50n                               | Digital  | 1                   | 4096                | 200k                         | 10n                              | 50n                                | 1.6m                               | 2.7                                | 11                                 |
| LTC6800  | Rail-to-Rail, Input and Output, Instrumentation Amplifier                        | PRODUCTION        | 1         | 100μ                           | 250n                              | Resistor | 1                   | -                   | 200k                         | 10n                              | 50n                                | 1.2m                               | 2.7                                | 5.5                                |
| MAX4460  | SOT23, 3V/5V, Single-Supply, Rail-to-Rail Instrumentation Amplifiers             | PRODUCTION        | 1         | 500μ                           | -                                 | Resistor | -                   | -                   | 2.5M                         | 100p                             | 18n                                | 1.1m                               | 2.85                               | 5.25                               |
| MAX4461  | SOT23, 3V/5V, Single-Supply, Rail-to-Rail Instrumentation Amplifiers             | PRODUCTION        | 1         | 500μ                           | -                                 | Digital  | 1                   | 100                 | 2.5M                         | 100p                             | 18n                                | 1.1m                               | 2.85                               | 5.25                               |
| MAX4462  | SOT23, 3V/5V, Single-Supply, Rail-to-Rail Instrumentation Amplifiers             | PRODUCTION        | 1         | 500μ                           | -                                 | Digital  | 1                   | 100                 | 2.5M                         | 100p                             | 18n                                | 1.1m                               | 2.85                               | 5.25                               |
| LT1789-1 | Micropower, Single Supply Rail-to-Rail Output Instrumentation Amplifier          | PRODUCTION        | 1         | 100μ                           | 700n                              | Resistor | 1                   | 1000                | 60k                          | 40n                              | 48n                                | 95μ                                | 2.2                                | 36                                 |

|              | Description                                                                          | Product Lifecycle | # of Amps | Vos <sub>max</sub> | Vos <sub>max</sub> TC | Gain Set  | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | Ibias <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | Iq/Amp <sub>max</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|--------------|--------------------------------------------------------------------------------------|-------------------|-----------|--------------------|-----------------------|-----------|---------------------|---------------------|------------------------------|----------------------|------------------------------------|-----------------------|------------------------|------------------------|
| LT1789-10    | Micropower, Single Supply Rail-to-Rail Output Instrumentation Amplifier              | PRODUCTION        | 1         | 160μ               | 700n                  | Resistor  | 10                  | 1000                | 60k                          | 40n                  | 48n                                | 95μ                   | 2.2                    | 36                     |
| LTC2053      | Precision, Rail-to-Rail, Zero-Drift, Resistor-Programmable Instrumentation Amplifier | PRODUCTION        | 1         | 10μ                | 50n                   | Resistor  | 1                   | -                   | 200k                         | 10n                  | 50n                                | 1.3m                  | 2.7                    | 11                     |
| LTC2053-SYNC | Precision, Rail-to-Rail, Zero-Drift, Resistor-Programmable Instrumentation Amplifier | PRODUCTION        | 1         | 10μ                | 50n                   | Resistor  | 1                   | -                   | 200k                         | 10n                  | 50n                                | 1.3m                  | 2.7                    | 11                     |
| AD524S       | Aerospace Instrumentation Amplifier                                                  | PRODUCTION        | 1         | 100μ               | 50μ                   | Pin Strap | 1                   | 1000                | 1M                           | 50n                  | 7n                                 | 5m                    | 12                     | 36                     |
| LT1167       | Single Resistor Gain Programmable, Precision Instrumentation Amplifier               | PRODUCTION        | 1         | 40μ                | 300n                  | Resistor  | 1                   | 10000               | 1M                           | 350p                 | 7.5n                               | 1.3m                  | 4.6                    | 40                     |
| LT1167-1     | Single Resistor Gain Programmable, Precision Instrumentation Amplifier               | PRODUCTION        | 1         | 40μ                | 300n                  | Resistor  | 1                   | 10000               | 1M                           | 350p                 | 7.5n                               | 1.3m                  | 4.6                    | 40                     |

|         | Description                                                                       | Product Lifecycle | # of Amps | Vos <sub>max</sub> | Vos <sub>max</sub> TC | Gain Set   | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | Ibias <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | Iq/Amp <sub>max</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|---------|-----------------------------------------------------------------------------------|-------------------|-----------|--------------------|-----------------------|------------|---------------------|---------------------|------------------------------|----------------------|------------------------------------|-----------------------|------------------------|------------------------|
| LT1168  | Low Power, Single Resistor Gain Programmable, Precision Instrumentation Amplifier | PRODUCTION        | 1         | 40μ                | 300n                  | Resistor   | 1                   | 10000               | 400k                         | 250p                 | 10n                                | 530μ                  | 4.6                    | 40                     |
| LT1920  | Single Resistor Gain Programmable, Precision Instrumentation Amplifier            | PRODUCTION        | 1         | 125μ               | 1μ                    | Resistor   | 1                   | 10000               | 800k                         | 2n                   | 7.5n                               | 1.3m                  | 4.6                    | 40                     |
| MAX4194 | Micropower, Single-Supply, Rail-to-Rail, Precision Instrumentation Amplifiers     | PRODUCTION        | 1         | 450μ               | -                     | Digital    | 1                   | 10000               | 250k                         | 20n                  | 72n                                | 110μ                  | 2.7                    | 7.5                    |
| MAX4195 | Micropower, Single-Supply, Rail-to-Rail, Precision Instrumentation Amplifiers     | PRODUCTION        | 1         | 450μ               | -                     | Fixed Gain | 1                   | 1                   | 220k                         | 20n                  | 72n                                | 110μ                  | 2.7                    | 7.5                    |
| MAX4196 | Micropower, Single-Supply, Rail-to-Rail, Precision Instrumentation Amplifiers     | PRODUCTION        | 1         | 450μ               | -                     | Fixed Gain | 10                  | 10                  | 340k                         | 20n                  | 31n                                | 110μ                  | 2.7                    | 7.5                    |
| MAX4197 | Micropower, Single-Supply, Rail-to-Rail, Precision Instrumentation Amplifiers     | PRODUCTION        | 1         | 450μ               | -                     | Fixed Gain | 100                 | 100                 | 3k                           | 20n                  | 8.7n                               | 110μ                  | 2.7                    | 7.5                    |

|         | Description                                                                             | Product Lifecycle | # of Amps | Vos <sub>max</sub> | Vos <sub>max</sub> TC | Gain Set   | Gain <sub>min</sub> | Gain <sub>max</sub> | BW <sub>typ</sub> - low gain | Ibias <sub>max</sub> | Input Voltage Noise <sub>typ</sub> | Iq/Amp <sub>max</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|---------|-----------------------------------------------------------------------------------------|-------------------|-----------|--------------------|-----------------------|------------|---------------------|---------------------|------------------------------|----------------------|------------------------------------|-----------------------|------------------------|------------------------|
| LT1101  | Precision, Micropower, Single Supply Instrumentation Amplifier (Fixed Gain = 10 or 100) | PRODUCTION        | 1         | 160μ               | 2μ                    | Fixed Gain | 10                  | 100                 | 370k                         | 8n                   | 43n                                | 130μ                  | 2.3                    | 44                     |
| LT1102  | High Speed, Precision, JFET Input Instrumentation Amplifier (Fixed Gain = 10 or 100)    | PRODUCTION        | 1         | 600μ               | 8μ                    | Fixed Gain | 10                  | 100                 | 35M                          | 40p                  | 19n                                | 5m                    | 18                     | 40                     |
| LTC1100 | Precision, Zero-Drift Instrumentation Amplifier                                         | PRODUCTION        | 1         | 10μ                | 100n                  | Fixed Gain | 10                  | 100                 | 1.8M                         | 50p                  | 35n                                | 2.8m                  | 4.75                   | 18                     |



# Isolation Amplifiers

| Parts      | Description                                                                     | Product Lifecycle           | # of Channels | BW <sub>-3 dB</sub> <sup>typ</sup> | Insulation Rating | Gain <sub>min</sub> | Gain <sub>max</sub> | Nonlinearity % <sup>typ</sup> | Vs <sub>span</sub> <sub>min</sub> | Vs <sub>span</sub> <sub>max</sub> | Vs Type |
|------------|---------------------------------------------------------------------------------|-----------------------------|---------------|------------------------------------|-------------------|---------------------|---------------------|-------------------------------|-----------------------------------|-----------------------------------|---------|
| ADUM3195   | Isolated Amplifier with Adjustable Gain and Single-Ended Output                 | RECOMMENDED FOR NEW DESIGNS | 1             | 210k                               | 5k                | -                   | -                   | -                             | -                                 | -                                 | -       |
| ADUM4195-1 | Isolated Amplifier with Fixed Gain and Single-Ended Output                      | RECOMMENDED FOR NEW DESIGNS | 1             | 210k                               | 5k                | 0.95                | 1.05                | -                             | -                                 | -                                 | -       |
| ADUM3190S  | Aerospace High Stability Isolated Error Amplifier                               | RECOMMENDED FOR NEW DESIGNS | 1             | 400k                               | 2.5k              | 0.83                | 2.7                 | 0.7                           | 3                                 | 20                                | Single  |
| ADUM3190   | 2.5kV rms Isolated Error Amplifier                                              | PRODUCTION                  | 1             | 400k                               | 2.5k              | 0.9                 | 2.86                | 1                             | 3                                 | 20                                | Single  |
| ADUM4190   | High Stability Isolated Error Amplifier                                         | PRODUCTION                  | 1             | 400k                               | 5k                | 0.83                | 2.7                 | 1                             | 3                                 | 20                                | Single  |
| AD203      | Rugged, Military Temperature Range, 10 kHz Bandwidth Isolation Amplifier        | LAST TIME BUY               | 2             | 10k                                | 1500              | 1                   | 10                  | 0.025                         | 12                                | 16                                | Single  |
| AD204      | Low Cost, Miniature Isolation Amplifier powered by external clock               | LAST TIME BUY               | 2             | 5k                                 | 1500              | 1                   | 100                 | 0.025                         | 13.5                              | 16.5                              | Single  |
| AD202      | Low Cost, Miniature Isolation Amplifier Powered Directly From a +15 V DC Supply | LAST TIME BUY               | 2             | 5k                                 | 1500              | 1                   | 100                 | 0.025                         | 13.5                              | 16.5                              | Single  |
| AD210      | Precision, Wide Bandwidth 3-Port Isolation Amplifier                            | LAST TIME BUY               | 3             | 20k                                | 2500              | 1                   | 100                 | 0.012                         | 13.5                              | 16.5                              | Single  |
| AD215      | 120 kHz Bandwidth, Low Distortion, Isolation Amplifier                          | LAST TIME BUY               | 2             | 120k                               | 1500              | 1                   | 100                 | 0.01                          | 28.5                              | 34                                | Dual    |

# Operational Amplifiers (Op Amps)

| Parts     | Description                                                                                              | Product Lifecycle           | # of Amps | GBP typ | BW typ<br>-3 dB | Slew typ<br>Rate | Vos max | VNoise typ<br>Density | Ibias max | Rail to Rail     | Iq/Amp typ | Vs min<br>span | Vs max<br>span | Amp Features                                                                                                                    |
|-----------|----------------------------------------------------------------------------------------------------------|-----------------------------|-----------|---------|-----------------|------------------|---------|-----------------------|-----------|------------------|------------|----------------|----------------|---------------------------------------------------------------------------------------------------------------------------------|
| ADA4511-2 | Precision, 40 V, Rail-to-Rail Input and Output Op Amp                                                    | RECOMMENDED FOR NEW DESIGNS | 2         | 10.4M   | 13.5M           | 19               | 75μ     | 5n                    | 10p       | Both             | 1.45m      | 6              | 40             | DigiTrim, EMI Filter, Mux-Compatible Inputs, Op Amp, Ultralow Noise                                                             |
| AD8460    | 110 V High Voltage, 1 A High Current, Arbitrary Waveform Generator with Integrated 14-Bit High Speed DAC | RECOMMENDED FOR NEW DESIGNS | 1         | -       | 4.3M            | 1.8k             | 25m     | 600n                  | -         | -                | 22.5m      | 24             | 110            | Integrated High Voltage High Current DAC + Amplifier                                                                            |
| ADA4351-2 | Compact, Dual-Channel, Precision, Programmable Gain Transimpedance Amplifier (PGTIA)                     | RECOMMENDED FOR NEW DESIGNS | 2         | 8.5M    | -               | 8                | 100μ    | 7.3n                  | 9p        | In to V-, Output | 3.3m       | 2.7            | 5.5            | Digital Gain Control, Integrated Gain Switching, Kelvin Switching, Rail-to-Rail Output, Sensor Signal Conditioner, Single-ended |
| ADA4510-2 | Precision, 40 V, ±70 nV/°C, Rail-to-Rail Input and Output Op Amp with DigiTrim                           | RECOMMENDED FOR NEW DESIGNS | 2         | 10.4M   | 13.5M           | 19               | 20μ     | 5n                    | 10p       | Both             | 1.45m      | 6              | 40             | DigiTrim, EMI Filter, Mux-Compatible Inputs, Op Amp, Ultralow Noise                                                             |
| ADA4097-2 | 50 V, 130 kHz, 32.5 μA per Channel, Robust, Over-The-Top, Precision Op Amp                               | RECOMMENDED FOR NEW DESIGNS | 2         | 130k    | -               | 100m             | 60μ     | 53n                   | 300p      | Both             | 32.5μ      | 3              | 50             | Over-the-Top                                                                                                                    |

|                   | Description                                                                          | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features           |
|-------------------|--------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------|
| <b>ADA4077-4S</b> | Space 4 MHz, 7 nV/√Hz, Low Offset and Drift, High Precision Quad Amplifier           | RECOMMENDED FOR NEW DESIGNS | 2         | 3.9M               | -                          | 1                        | 25μ                            | 7n                                           | 1n                               | -            | 400μ                               | 5                                     | 30                                    | -                      |
| <b>ADA4098-2</b>  | 50 V, 1 MHz, 165 μA per Channel, Robust, Over-The-Top, Precision Op Amps             | RECOMMENDED FOR NEW DESIGNS | 2         | 1.05M              | -                          | 400m                     | 35μ                            | 17n                                          | 700p                             | Both         | 165μ                               | 3                                     | 50                                    | Over-the-Top, Shutdown |
| <b>MAX40263</b>   | 1.8V, 15MHz, Low-Offset, Low-Power, Rail-toRail Dual Op-Amp with Individual Shutdown | PRODUCTION                  | 2         | 15M                | 15M                        | 7                        | 50μ                            | 12.7n                                        | 1.5p                             | Both         | 750μ                               | 1.8                                   | 5.5                                   | Shutdown               |
| <b>ADA4099-2</b>  | 50 V, 8 MHz, 1.5 mA per Channel, Robust, Over-The-Top, Precision Op Amps             | RECOMMENDED FOR NEW DESIGNS | 2         | 8M                 | -                          | 4                        | 40μ                            | 7n                                           | 10n                              | Both         | 1.5m                               | 3.15                                  | 50                                    | Over-the-Top           |
| <b>MAX40023</b>   | Low-Noise, Low-Power, Low-Bias-Current Amplifiers                                    | RECOMMENDED FOR NEW DESIGNS | 1         | 80k                | 80k                        | 20m                      | 400μ                           | 32n                                          | 5p                               | Both         | 17μ                                | 1.6                                   | 3.6                                   | Shutdown               |
| <b>MAX40024</b>   | Low-Noise, Low-Power, Low-Bias-Current Amplifiers                                    | RECOMMENDED FOR NEW DESIGNS | 2         | 80k                | 80k                        | 20m                      | 400μ                           | 32n                                          | 5p                               | Both         | 17μ                                | 1.6                                   | 3.6                                   | Shutdown               |
| <b>MAX40110</b>   | 15MHz, Low-Noise, Precision Operational Amplifiers                                   | PRODUCTION                  | 1         | 15M                | 15M                        | 7                        | 140μ                           | 12.7n                                        | 12p                              | Both         | 750μ                               | 1.7                                   | 5.5                                   | CMOS Inputs, Shutdown  |

|                  | Description                                                              | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features           |
|------------------|--------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------|
| <b>MAX40111</b>  | 15MHz, Low-Noise, Precision Operational Amplifiers                       | RECOMMENDED FOR NEW DESIGNS | 1         | 15M                | 15M                        | 7                        | 140μ                           | 12.7n                                        | 12p                              | Both         | 750μ                               | 1.7                                   | 5.5                                   | CMOS Inputs, Shutdown  |
| <b>ADA4097-1</b> | 50 V, 130 kHz, 32.5 μA, Robust, Over-The-Top Precision Op Amp            | RECOMMENDED FOR NEW DESIGNS | 1         | 130k               | -                          | 100m                     | 60μ                            | 53n                                          | 300p                             | Both         | 32.5μ                              | 3                                     | 50                                    | Over-the-Top           |
| <b>ADA4098-1</b> | 50 V, 1 MHz, 165 μA, Robust, Over-The-Top Precision Op Amp               | RECOMMENDED FOR NEW DESIGNS | 1         | 1.05M              | -                          | 400m                     | 35μ                            | 17n                                          | 700p                             | Both         | 165μ                               | 3                                     | 50                                    | Over-the-Top, Shutdown |
| <b>ADA4099-1</b> | 50 V, 8 MHz, 1.5 mA per Channel, Robust, Over-The-Top, Precision Op Amps | RECOMMENDED FOR NEW DESIGNS | 1         | 8M                 | -                          | 4                        | 30μ                            | 7n                                           | 10n                              | Both         | 1.5m                               | 3.15                                  | 55                                    | Over-the-Top, Shutdown |
| <b>ADA4355</b>   | Programmable Transimpedance, Current to Bits Receiver μModule            | RECOMMENDED FOR NEW DESIGNS | 1         | -                  | 43M                        | -                        | -                              | -                                            | 1n                               | -            | -                                  | 3.1                                   | 3.6                                   | -                      |
| <b>MAX40108</b>  | 1V, Low-Power, Precision Operational Amplifier                           | RECOMMENDED FOR NEW DESIGNS | 1         | -                  | 168k                       | 80m                      | 10μ                            | 90n                                          | 200p                             | Both         | 25.5μ                              | 0.9                                   | 3.6                                   | -                      |
| <b>LTC2068</b>   | Quad 10μA Supply Current, Low IB, Zero-Drift Operational Amplifier       | RECOMMENDED FOR NEW DESIGNS | 4         | 100k               | -                          | 17.5m                    | 5μ                             | 80n                                          | 35p                              | Both         | 7.5μ                               | 1.7                                   | 5.25                                  | EMI Filter, Shutdown   |

|                  | Description                                                                          | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                       |
|------------------|--------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|
| <b>ADA4523-1</b> | 36 V, Low Noise, Zero Drift Op Amp                                                   | RECOMMENDED FOR NEW DESIGNS | 1         | 5M                 | -                          | 1.85                     | 4μ                             | 4.2n                                         | 300p                             | Output           | 4.5m                               | 4.5                                   | 36                                    | EMI Filter, Op Amp, Ultralow Noise |
| <b>LTC2065</b>   | Quad 2μA Supply Current, Low IB, Zero-Drift Operational Amplifiers                   | RECOMMENDED FOR NEW DESIGNS | 4         | 20k                | -                          | 3.5m                     | 5μ                             | 220n                                         | 20p                              | Both             | 1.4μ                               | 1.7                                   | 5.25                                  | EMI Filter, Shutdown               |
| <b>LTC6226</b>   | 1nV/√Hz 420MHz GBW, 180V/μs, Low Distortion Rail-to-Rail Output Op Amps              | LAST TIME BUY               | 1         | 420M               | 330M                       | 180                      | 95μ                            | 1n                                           | 20μ                              | In to V-, Output | 5.5m                               | 2.8                                   | 11.75                                 | Shutdown                           |
| <b>LTC6227</b>   | 1nV/√Hz 420MHz GBW, 180V/μs, Low Distortion Rail-to-Rail Output Op Amps              | LAST TIME BUY               | 2         | 420M               | 330M                       | 180                      | 95μ                            | 1n                                           | 20μ                              | In to V-, Output | 5.5m                               | 2.8                                   | 11.75                                 | Shutdown                           |
| <b>LTC6229</b>   | 0.88nV/√Hz 730MHz, 500V/μs, Low Distortion Rail-to-Rail Output Op Amps with Shutdown | LAST TIME BUY               | 2         | 890M               | 730M                       | 500                      | 95μ                            | 880p                                         | 2.5μ                             | In to V-, Output | 16m                                | 2.8                                   | 11.75                                 | Shutdown                           |
| <b>ADA4625-2</b> | 36 V, 18 MHz, Low Noise, Fast Settling Single Supply, RRO, JFET Op Amp               | RECOMMENDED FOR NEW DESIGNS | 2         | 18M                | 16M                        | 48                       | 100μ                           | 3.3n                                         | 75p                              | In to V-, Output | 4m                                 | 5                                     | 36                                    | -                                  |
| <b>LTC6228</b>   | 0.88nV/√Hz 730MHz, 500V/μs, Low Distortion Rail-to-Rail Output Op Amps with Shutdown | LAST TIME BUY               | 1         | 890M               | 730M                       | 500                      | 95μ                            | 880p                                         | 2.5μ                             | In to V-, Output | 16m                                | 2.8                                   | 11.75                                 | Shutdown                           |

|                   | Description                                                                             | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features         |
|-------------------|-----------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|----------------------|
| <b>MAX40242</b>   | 20V, Low Input Bias-Current, Low-Noise, Dual Op Amp                                     | PRODUCTION                  | -         | 10M                | -                          | -                        | -                              | -                                            | -                                | -                | -                                  | -                                     | -                                     | -                    |
| <b>ADHV4702-1</b> | 24 V to 220 V Precision Operational Amplifier                                           | RECOMMENDED FOR NEW DESIGNS | 1         | 10M                | 10M                        | 74                       | 1m                             | 8n                                           | 2p                               | -                | 3m                                 | 24                                    | 220                                   | Shutdown             |
| <b>LTC2050HV</b>  | High Voltage Zero-Drift Operational Amplifier in SOT-23 with Extended Temperature Range | RECOMMENDED FOR NEW DESIGNS | 1         | 3M                 | -                          | 2                        | 3μ                             | -                                            | 50p                              | In to V-, Output | 800μ                               | 2.7                                   | 11                                    | Shutdown             |
| <b>LTC2064</b>    | 2μA Supply Current, Low I <sub>B</sub> , Zero-Drift Operational Amplifiers              | RECOMMENDED FOR NEW DESIGNS | 2         | 20k                | -                          | 3.5m                     | 5μ                             | 220n                                         | 20p                              | Both             | 1.4μ                               | 1.7                                   | 5.25                                  | EMI Filter, Shutdown |
| <b>LTC2067</b>    | 10μA Supply Current, Low I <sub>B</sub> , Zero-Drift Operational Amplifier              | RECOMMENDED FOR NEW DESIGNS | 2         | 100k               | -                          | 17.5m                    | 5μ                             | 80n                                          | 35p                              | Both             | 7.5μ                               | 1.7                                   | 5.25                                  | EMI Filter, Shutdown |
| <b>LTC2058</b>    | 36V, Low Noise Zero-Drift Operational Amplifier                                         | RECOMMENDED FOR NEW DESIGNS | 2         | 2.5M               | -                          | 1.6                      | 5μ                             | 9n                                           | 100p                             | In to V-, Output | 950μ                               | 4.75                                  | 36                                    | Rail-to-Rail Output  |
| <b>MAX40018</b>   | Dual nanoPower Op Amps in Tiny WLP and TDFN Packages                                    | RECOMMENDED FOR NEW DESIGNS | 2         | 9k                 | 9k                         | 64m                      | 1.3m                           | -                                            | 200p                             | Output           | 400n                               | 1.7                                   | 5.5                                   | CMOS Inputs          |

|            | Description                                                                  | Product Lifecycle           | # of Amps | GBP typ | BW typ<br>-3 dB | Slew Rate typ | Vos max | VNoise typ<br>Density | Ibias max | Rail to Rail | Iq/Amp typ | Vs min<br>span | Vs max<br>span | Amp Features          |
|------------|------------------------------------------------------------------------------|-----------------------------|-----------|---------|-----------------|---------------|---------|-----------------------|-----------|--------------|------------|----------------|----------------|-----------------------|
| MAX40077   | Single/Dual/Quad Ultra-Low Input Bias Current, Low-Noise Amplifiers          | RECOMMENDED FOR NEW DESIGNS | 2         | 10M     | 10M             | 3             | 350μ    | 5.5n                  | 260p      | Output       | 2.2m       | 2.7            | 5.5            | CMOS Inputs, Shutdown |
| MAX40078   | Single/Dual/Quad Ultra-Low Input Bias Current, Low-Noise Amplifiers          | RECOMMENDED FOR NEW DESIGNS | 4         | 10M     | 10M             | 3             | 350μ    | 5.5n                  | 260p      | Output       | 2.2m       | 2.7            | 5.5            | CMOS Inputs, Shutdown |
| MAX40079   | Single/Dual/Quad Ultra-Low Input Bias Current, Low-Noise Amplifiers          | RECOMMENDED FOR NEW DESIGNS | 1         | 10M     | 10M             | 3             | 350μ    | 5.5n                  | 260p      | Output       | 2.2m       | 2.7            | 5.5            | CMOS Inputs, Shutdown |
| MAX40087   | Single/Dual/Quad Ultra-Low Input Bias Current, Low-Noise Amplifiers          | RECOMMENDED FOR NEW DESIGNS | 1         | 42M     | 42M             | 10            | 350μ    | 5.5n                  | 260p      | Output       | 2.2m       | 2.7            | 5.5            | CMOS Inputs, Shutdown |
| MAX40089   | Single/Dual/Quad Ultra-Low Input Bias Current, Low-Noise Amplifiers          | RECOMMENDED FOR NEW DESIGNS | 2         | 42M     | 42M             | 10            | 350μ    | 5.5n                  | 260p      | Output       | 2.2m       | 2.7            | 5.5            | CMOS Inputs, Shutdown |
| ADA4084-4S | Aerospace Quad Low Noise, Rail-to-Rail I/O, Low Power Operational Amplifiers | RECOMMENDED FOR NEW DESIGNS | 4         | -       | -               | -             | 100μ    | -                     | 250n      | Both         | -          | 3              | 30             | -                     |
| LTC6260    | Quad 1.3MHz, 20μA Power Efficient Rail-to-Rail I/O Op Amps                   | LAST TIME BUY               | 4         | 1.3M    | -               | 240m          | 400μ    | 38n                   | 75n       | Both         | 20μ        | 1.8            | 5.25           | C-Load Stable         |

|           | Description                                                                                                   | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                             |
|-----------|---------------------------------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------|
| LTC2066   | 10µA Supply Current, Low IB, Zero-Drift Operational Amplifier                                                 | RECOMMENDED FOR NEW DESIGNS | 1         | 100k               | -                          | 17.5m                    | 5µ                             | 80n                                          | 35p                              | Both             | 7.5µ                               | 1.7                                   | 5.25                                  | EMI Filter, Shutdown                     |
| ADA4625-1 | 36 V, 18 MHz, Low Noise, Fast Settling Single Supply, RRO, JFET Op Amp                                        | RECOMMENDED FOR NEW DESIGNS | 1         | 18M                | 16M                        | 48                       | 80µ                            | 3.3n                                         | 75p                              | In to V-, Output | 4m                                 | 5                                     | 36                                    | -                                        |
| MAX40075  | 10MHz/42MHz Low-Noise, Low-Bias Op Amps                                                                       | RECOMMENDED FOR NEW DESIGNS | 1         | 10M                | 10M                        | 3                        | 150µ                           | 5.5n                                         | 2.3n                             | Output           | 2.2m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown                    |
| MAX40088  | 10MHz/42MHz Low-Noise, Low-Bias Op Amps                                                                       | PRODUCTION                  | 1         | 42M                | 42M                        | 10                       | 150µ                           | 5.5n                                         | 2.3n                             | Output           | 2.2m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown                    |
| ADA4622-4 | 30 V, 8 MHz, Low Bias Current, Single-Supply, RRO, Precision Quad Op Amp                                      | RECOMMENDED FOR NEW DESIGNS | 4         | 8M                 | 15.5M                      | 23                       | 350µ                           | 12.5n                                        | 10p                              | In to V-, Output | 665µ                               | 5                                     | 30                                    | EMI Filter                               |
| LT6203X   | High Temperature 175°C Dual 100MHz, Rail-to-Rail Input and Output, Ultralow 1.9nV/√Hz Noise, Low Power Op Amp | RECOMMENDED FOR NEW DESIGNS | 2         | 83M                | -                          | 24                       | 500µ                           | 2n                                           | 7µ                               | Both             | 3.3m                               | 2.5                                   | 12.6                                  | Rail-to-Rail Inputs, Rail-to-Rail Output |
| LT1210X   | High Temperature 1.0A, 35MHz Current Feedback Amplifier                                                       | RECOMMENDED FOR NEW DESIGNS | 1         | -                  | 55M                        | 900                      | 15m                            | 3n                                           | 60µ                              | -                | 35m                                | 8                                     | 36                                    | Shutdown                                 |



|                  | Description                                                                 | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features            |
|------------------|-----------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------|
| <b>LTC2063</b>   | 2µA Supply Current, Low IB, Zero-Drift Operational Amplifiers               | RECOMMENDED FOR NEW DESIGNS | 1         | 20k                | -                          | 3.5m                     | 5µ                             | 220n                                         | 20p                              | Both             | 1.4µ                               | 1.7                                   | 5.25                                  | EMI Filter, Shutdown    |
| <b>ADA4622-1</b> | 30 V, 8 MHz, Low Bias Current, Single-Supply, RRO, Precision Op Amps        | RECOMMENDED FOR NEW DESIGNS | 1         | 8M                 | 15.5M                      | 23                       | 350µ                           | 12.5n                                        | 10p                              | In to V-, Output | 715µ                               | 5                                     | 30                                    | EMI Filter              |
| <b>MAX40007</b>  | nanoPower Op Amp in Ultra-Tiny WLP and SOT23 Packages                       | RECOMMENDED FOR NEW DESIGNS | 1         | 15k                | 20k                        | 12                       | 1.3m                           | 513n                                         | 100p                             | Output           | 700n                               | 1.7                                   | 5.5                                   | -                       |
| <b>MAX40006</b>  | Micropower, Rail-to-Rail, 300kHz Op Amp with Shutdown in a Tiny, 6-Bump WLP | RECOMMENDED FOR NEW DESIGNS | 1         | 300k               | 300k                       | 140m                     | 1m                             | 440n                                         | 3n                               | Both             | 4.5µ                               | 1.7                                   | 5.5                                   | Shutdown                |
| <b>LTC6258</b>   | 1.3MHz, 20µA Power Efficient Rail-to-Rail I/O Op Amps                       | LAST TIME BUY               | 1         | 1.3M               | -                          | 240m                     | 400µ                           | 38n                                          | 75n                              | Both             | 20µ                                | 1.8                                   | 5.25                                  | C-Load Stable, Shutdown |
| <b>LTC6259</b>   | Dual 1.3MHz, 20µA Power Efficient Rail-to-Rail I/O Op Amps                  | LAST TIME BUY               | 2         | 1.3M               | -                          | 240m                     | 400µ                           | 38n                                          | 75n                              | Both             | 20µ                                | 1.8                                   | 5.25                                  | C-Load Stable, Shutdown |
| <b>LTC6262</b>   | Dual 30MHz, 240µA Power Efficient Rail-to-Rail I/O Op Amps                  | LAST TIME BUY               | 2         | 30M                | -                          | 7                        | 400µ                           | 13n                                          | 100n                             | Both             | 245µ                               | 1.8                                   | 5.25                                  | Shutdown                |
| <b>LTC6263</b>   | Quad 30MHz, 240µA Power Efficient Rail-to-Rail I/O Op Amps                  | LAST TIME BUY               | 4         | 30M                | -                          | 7                        | 400µ                           | 13n                                          | 100n                             | Both             | 245µ                               | 1.8                                   | 5.25                                  | Shutdown                |

|                  | Description                                                                                       | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|------------------|---------------------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>LTC6261</b>   | 30MHz, 240µA Power Efficient Rail-to-Rail I/O Op Amps                                             | LAST TIME BUY               | 1         | 30M                | -                          | 7                        | 400µ                           | 13n                                          | 100n                             | Both             | 245µ                               | 1.8                                   | 5.25                                  | Shutdown              |
| <b>LT6018</b>    | 33V, Ultralow Noise, Precision Op Amp                                                             | RECOMMENDED FOR NEW DESIGNS | 1         | 15M                | -                          | 30                       | 50µ                            | 1.2n                                         | 150n                             | -                | 7.2m                               | 8                                     | 33                                    | -                     |
| <b>MAX40100</b>  | Precision, Low-Power, and Low-Noise Op Amp with RRIO                                              | PRODUCTION                  | 1         | 1.5M               | 1.5M                       | 700m                     | 10µ                            | 42n                                          | 80p                              | Both             | 66µ                                | 1.6                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>ADA4522-1</b> | Single 55 V, EMI Enhanced, Zero-Drift, Ultralow Noise, Rail-to-Rail Output Operational Amplifiers | RECOMMENDED FOR NEW DESIGNS | 1         | 2.7M               | 6.5M                       | 1.7                      | 5µ                             | 5.8n                                         | 150p                             | Output           | 840µ                               | 4.5                                   | 55                                    | EMI Filter            |
| <b>LTC6253-7</b> | 2GHz, 3.5mA Gain of 7 Stable Rail-to-Rail I/O Dual Op Amp                                         | LAST TIME BUY               | 2         | 2G                 | 160M                       | 500                      | 350µ                           | 2.75n                                        | 750n                             | Both             | 3.3m                               | 2.5                                   | 5.25                                  | Shutdown              |
| <b>MAX44290</b>  | 1.8V, 15MHz, Low-Offset, Low-Power, Rail-to-Rail I/O Op-Amp                                       | PRODUCTION                  | 1         | -                  | 15M                        | 7                        | 50µ                            | -                                            | 500f                             | Both             | 750µ                               | 1.7                                   | 5.5                                   | Shutdown              |
| <b>ADA4622-2</b> | 30 V, 7.5 MHz, Low Bias Current, Single Supply, RRO, Precision Op Amp                             | RECOMMENDED FOR NEW DESIGNS | 2         | 8M                 | 15.5M                      | 23                       | 350µ                           | 12.5n                                        | 10p                              | In to V-, Output | 665µ                               | 5                                     | 30                                    | EMI Filter            |

|                  | Description                                                                                    | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                |
|------------------|------------------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------------|
| <b>ADA4522-4</b> | Quad 55 V, EMI Enhanced, Zero Drift, Ultralow Noise, Rail-to-Rail Output Operational Amplifier | RECOMMENDED FOR NEW DESIGNS | 4         | 2.7M               | 6.5M                       | 1.7                      | 5μ                             | 5.8n                                         | 150p                             | Output           | 830μ                               | 4.5                                   | 55                                    | EMI Filter                                  |
| <b>ADA4530-1</b> | Femtoampere Input Bias Current Electrometer Amplifier                                          | RECOMMENDED FOR NEW DESIGNS | 1         | 2M                 | 6M                         | 1.4                      | 40μ                            | 14n                                          | 20f                              | Output           | 900μ                               | 4.5                                   | 16                                    | Integrated Guard Buffer                     |
| <b>ADA4806-1</b> | 0.2 μV/°C Offset Drift, 105 MHz, Low Power, Multimode, Rail-to-Rail Amplifier                  | RECOMMENDED FOR NEW DESIGNS | 1         | 30M                | 105M                       | 160                      | 125μ                           | 5.2n                                         | 800n                             | In to V-, Output | 570μ                               | 3                                     | 10                                    | Rail-to-Rail Output                         |
| <b>ADA4807-4</b> | 3.1 nV/√Hz, 1 mA, 180 MHz, Rail-to-Rail Input/Output Amplifier                                 | RECOMMENDED FOR NEW DESIGNS | 4         | 200M               | 180M                       | 225                      | 175μ                           | 3.3n                                         | 2μ                               | Both             | 1m                                 | 2.7                                   | 11                                    | Rail-to-Rail Inputs, Rail-to-Rail Output    |
| <b>MAX44211</b>  | High-Current Differential Line Driver for Powerline Communications                             | PRODUCTION                  | 1         | -                  | 8.5M                       | 80                       | -                              | -                                            | -                                | -                | 1m                                 | 8                                     | 20                                    | Powerline Communications, Shutdown          |
| <b>ADA4522-2</b> | Dual 55V, EMI Enhanced, Zero Drift, Ultralow Noise, Rail-to-Rail Output Operational Amplifiers | RECOMMENDED FOR NEW DESIGNS | 2         | 2.7M               | 6.5M                       | 1.7                      | 5μ                             | 5.8n                                         | 150p                             | Output           | 830μ                               | 4.5                                   | 55                                    | EMI Filter                                  |
| <b>ADA4350</b>   | FET Input Analog Front End with ADC Driver                                                     | RECOMMENDED FOR NEW DESIGNS | 1         | 175M               | 55M                        | 100                      | 80μ                            | 5n                                           | 1p                               | -                | 8.5m                               | 3.3                                   | 12                                    | Integrated Gain Switching, Kelvin Switching |

|                   | Description                                                                | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                              |
|-------------------|----------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------|
| <b>ADA4610-1</b>  | Low Noise, Precision, Rail-to-Rail Output, JFET Single Op Amp              | RECOMMENDED FOR NEW DESIGNS | 1         | 16.3M              | 9.5M                       | 25                       | 400μ                           | 7.3n                                         | 25p                              | Output           | 1.6m                               | 10                                    | 36                                    | -                                         |
| <b>ADA4807-2</b>  | 3.1 nV/√Hz, 1 mA, 180 MHz, Rail-to-Rail Input/Output Amplifier             | RECOMMENDED FOR NEW DESIGNS | 2         | 200M               | 180M                       | 225                      | 125μ                           | 3.3n                                         | 2μ                               | Both             | 1m                                 | 2.7                                   | 11                                    | Shutdown                                  |
| <b>ADA4177-1</b>  | OVP and EMI Protected, Precision, Low Noise and Bias Current Single Op Amp | RECOMMENDED FOR NEW DESIGNS | 1         | 3.5M               | 6M                         | 1.5                      | 60μ                            | 8n                                           | 1n                               | Output           | 500μ                               | 10                                    | 30                                    | EMI Filter, Over Voltage Protection (OVP) |
| <b>LTC6269-10</b> | Dual 4GHz Ultra-Low Bias Current FET Input Op Amp                          | RECOMMENDED FOR NEW DESIGNS | 2         | 4G                 | -                          | 1.5k                     | 700μ                           | 4n                                           | 20f                              | In to V-, Output | 16.5m                              | 3.1                                   | 5.25                                  | Shutdown                                  |
| <b>LTC6268-10</b> | 4GHz Ultra-Low Bias Current FET Input Op Amp                               | RECOMMENDED FOR NEW DESIGNS | 1         | 4G                 | 4M                         | 1.5k                     | 700μ                           | 4n                                           | 20f                              | In to V-, Output | 16.5m                              | 3.1                                   | 5.25                                  | Shutdown                                  |
| <b>LT6023</b>     | Dual Micropower, 1.4V/μs Precision Rail-to-Rail Output Amplifier           | RECOMMENDED FOR NEW DESIGNS | 2         | 40k                | -                          | 1.45                     | 30μ                            | 132n                                         | 3n                               | Output           | 18μ                                | 3                                     | 30                                    | -                                         |
| <b>LT6023-1</b>   | Dual Micropower, 1.4V/μs Precision Rail-to-Rail Output Amplifier           | RECOMMENDED FOR NEW DESIGNS | 2         | 40k                | -                          | 1.45                     | 30μ                            | 132n                                         | 3n                               | Output           | 18μ                                | 3                                     | 30                                    | Shutdown                                  |

|           | Description                                                                        | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                              |
|-----------|------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------|
| ADA4177-4 | OVP and EMI Protected, Precision, Low Noise and Bias Current Quad Op Amp           | RECOMMENDED FOR NEW DESIGNS | 4         | 3.5M               | 6M                         | 1.5                      | 60μ                            | 8n                                           | 1n                               | Output           | 500μ                               | 10                                    | 30                                    | EMI Filter, Over Voltage Protection (OVP) |
| ADA4807-1 | 3.1 nV/√Hz, 1 mA, 180 MHz, Rail-to-Rail Input/Output Amplifier                     | RECOMMENDED FOR NEW DESIGNS | 1         | 200M               | 180M                       | 225                      | 125μ                           | 3.3n                                         | 2μ                               | Both             | 1m                                 | 2.7                                   | 11                                    | Shutdown                                  |
| MAX44267  | +15V Single-Supply, Dual Op Amp with ±10V Output Range                             | PRODUCTION                  | 2         | 5M                 | 5M                         | 3                        | 50μ                            | 8n                                           | 1.5n                             | Output           | 1.2m                               | 4.5                                   | 15                                    | -                                         |
| ADA4177-2 | OVP and EMI Protected, Precision, Low Noise and Bias Current Dual Op Amp           | RECOMMENDED FOR NEW DESIGNS | 2         | 3.5M               | 6M                         | 1.5                      | 60μ                            | 8n                                           | 1n                               | Output           | 500μ                               | 10                                    | 30                                    | EMI Filter, Over Voltage Protection (OVP) |
| LTC6269   | Dual 500MHz Ultra-Low Bias Current FET Input Op Amp                                | RECOMMENDED FOR NEW DESIGNS | 2         | 500M               | 350M                       | 400                      | 700μ                           | 4.3n                                         | 20f                              | In to V-, Output | 16.5m                              | 3.1                                   | 5.25                                  | Shutdown                                  |
| LTC6268   | 500MHz Ultra-Low Bias Current FET Input Op Amp                                     | RECOMMENDED FOR NEW DESIGNS | 1         | 500M               | 350M                       | 400                      | 700μ                           | 4.3n                                         | 20f                              | In to V-, Output | 16.5m                              | 3.1                                   | 5.25                                  | Shutdown                                  |
| ADA4805-2 | Dual, 0.2 μV/°C Offset Drift, 105 MHz Low Power, Low Noise, Rail-to-Rail Amplifier | RECOMMENDED FOR NEW DESIGNS | 2         | 30M                | 105M                       | 190                      | 125μ                           | 5.2n                                         | 800n                             | In to V-, Output | 570μ                               | 2.7                                   | 10                                    | Rail-to-Rail Output                       |

|           | Description                                                                        | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features        |
|-----------|------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------|
| ADA4084-1 | 30 V, Low Noise, Rail-to-Rail Input/Output, Low Power Operational Single Amplifier | RECOMMENDED FOR NEW DESIGNS | 1         | 15.9M              | 13.9M                      | 4.6                      | 100μ                           | 3.9n                                         | 250n                             | Both             | 565μ                               | 3                                     | 30                                    | -                   |
| AD8034    | Low Cost, 80 MHz FastFET™ Op Amps                                                  | PRODUCTION                  | 2         | 45M                | 80M                        | 80                       | 2m                             | 11n                                          | 11p                              | In to V-, Output | 3.3m                               | 5                                     | 24                                    | FET Input           |
| ADA4805-1 | 0.2 μV/°C Offset Drift, 105 MHz Low Power, Low Noise, Rail-to-Rail Amplifier       | RECOMMENDED FOR NEW DESIGNS | 1         | 30M                | 105M                       | 190                      | 125μ                           | 5.2n                                         | 800n                             | In to V-, Output | 570μ                               | 2.7                                   | 10                                    | Rail-to-Rail Output |
| LTC6091   | Dual 140V, Rail-to-Rail Output, Picoamp Input Current Op Amp                       | RECOMMENDED FOR NEW DESIGNS | 2         | 12M                | 4M                         | 21                       | 1m                             | 14n                                          | 3p                               | Output           | 2.8m                               | 9.5                                   | 140                                   | Shutdown            |
| ADA4870   | 2500 V/μs Slew Rate, High Voltage, 1 A Output Drive Amplifier                      | RECOMMENDED FOR NEW DESIGNS | 1         | -                  | 60M                        | 2.5k                     | 10m                            | 2.1n                                         | 23μ                              | -                | 32.5m                              | 10                                    | 40                                    | Shutdown            |
| ADA4610-4 | Low Noise, Precision, Rail-to-Rail Output, JFET Quad Op Amplifiers                 | RECOMMENDED FOR NEW DESIGNS | 4         | 16.3M              | 9.5M                       | 25                       | 400μ                           | 7.3n                                         | 25p                              | Output           | 1.6m                               | 10                                    | 36                                    | -                   |
| ADA4077-1 | 4 MHz, 7 nV/√Hz, Low Offset and Drift, High Precision Single Amplifier             | RECOMMENDED FOR NEW DESIGNS | 1         | 3.9M               | -                          | 1                        | 25μ                            | 7n                                           | 1n                               | -                | 400μ                               | 5                                     | 30                                    | -                   |

|                   | Description                                                                      | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|-------------------|----------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>LT6020</b>     | Dual Micropower, 5V/μs Precision Rail-to-Rail Output Amplifier                   | RECOMMENDED FOR NEW DESIGNS | 2         | 400k               | -                          | 5                        | 30μ                            | 50n                                          | 3n                               | Output           | 90μ                                | 3                                     | 30                                    | -            |
| <b>LT6020-1</b>   | Dual Micropower, 5V/μs Precision Rail-to-Rail Output Amplifier                   | RECOMMENDED FOR NEW DESIGNS | 2         | 400k               | -                          | 5                        | 30μ                            | 50n                                          | 3n                               | Output           | 90μ                                | 3                                     | 30                                    | Shutdown     |
| <b>MAX44242</b>   | 20V, Low Input Bias-Current, Low-Noise, Dual Op Amplifier                        | PRODUCTION                  | 2         | -                  | 10M                        | 8                        | 600μ                           | 5n                                           | 500f                             | Output           | 1.2m                               | 2.7                                   | 20                                    | CMOS Inputs  |
| <b>ADA4610-2S</b> | Aerospace Low Noise, Precision, Rail-to-Rail Output, JFET Dual Op Amp            | RECOMMENDED FOR NEW DESIGNS | 2         | -                  | -                          | -                        | 400μ                           | -                                            | 25p                              | Output           | -                                  | 10                                    | 36                                    | -            |
| <b>AD8244</b>     | Single-Supply, Low Power, Precision FET Input Quad Buffer                        | RECOMMENDED FOR NEW DESIGNS | 4         | -                  | 3M                         | 800m                     | 350μ                           | 13n                                          | 2p                               | In to V-, Output | 180μ                               | 3                                     | 36                                    | -            |
| <b>ADA4084-4</b>  | 30 V, Low Noise, Rail-to-Rail Input/Output, Low Power Operational Quad Amplifier | RECOMMENDED FOR NEW DESIGNS | 4         | 15.9M              | 13.9M                      | 4.6                      | 100μ                           | 3.9n                                         | 250n                             | Both             | 565μ                               | 3                                     | 30                                    | -            |
| <b>ADA4077-4</b>  | 4 MHz, 7 nV/√Hz, Low Offset and Drift, High Precision Quad Amplifier             | RECOMMENDED FOR NEW DESIGNS | 4         | 3.9M               | -                          | 1                        | 50μ                            | 7n                                           | 1n                               | -                | 400μ                               | 5                                     | 30                                    | -            |

|            | Description                                                                                               | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                           |
|------------|-----------------------------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------|
| LT6238     | Rail-to-Rail Output 215MHz, 1.1nV/√Hz Op Amp/SAR ADC Driver                                               | RECOMMENDED FOR NEW DESIGNS | 4         | 215M               | 90M                        | 60                       | 350μ                           | 1.1n                                         | 10μ                              | Output           | 3.15m                              | 3                                     | 12.6                                  | Shutdown                               |
| ADA4096-2S | Aerospace Dual, 30V, Micropower, Overvoltage Protection, Rail-to-Rail Input/Output, Operational Amplifier | RECOMMENDED FOR NEW DESIGNS | 2         | 783k               | -                          | -                        | 300μ                           | 27n                                          | 25n                              | Both             | -                                  | 3                                     | 30                                    | Over Voltage Protection (OVP)          |
| ADA4700-1  | 100 V, Precision Operational Amplifier                                                                    | RECOMMENDED FOR NEW DESIGNS | 1         | 3.5M               | 4.8M                       | 20                       | 2m                             | 14.7n                                        | 30n                              | -                | 1.7m                               | 9                                     | 110                                   | Current Sense, General Purpose, Op Amp |
| LT6015     | 3.2MHz, 0.8V/μs Low Power, Over-The-Top Precision Op Amps                                                 | RECOMMENDED FOR NEW DESIGNS | 1         | 3.2M               | -                          | 750m                     | 50μ                            | 18n                                          | 5n                               | Both             | 315μ                               | 3                                     | 50                                    | Over-the-Top                           |
| LTC2057    | High Voltage, Low Noise Zero-Drift Operational Amplifier                                                  | RECOMMENDED FOR NEW DESIGNS | 1         | 1.5M               | -                          | 1.2                      | 4μ                             | 11n                                          | 200p                             | In to V-, Output | 800μ                               | 4.75                                  | 36                                    | Shutdown                               |
| LTC2057HV  | High Voltage, Low Noise Zero-Drift Operational Amplifier                                                  | RECOMMENDED FOR NEW DESIGNS | 1         | 1.5M               | -                          | 1.2                      | 4μ                             | 11n                                          | 200p                             | In to V-, Output | 800μ                               | 4.75                                  | 60                                    | Shutdown                               |
| AD8634     | High Temperature, Low Noise, RRO Dual Operational Amplifier                                               | RECOMMENDED FOR NEW DESIGNS | 2         | 9.7M               | 11M                        | 5                        | 250μ                           | 4.2n                                         | 200n                             | Output           | 1.1m                               | 3                                     | 30                                    | -                                      |



|                  | Description                                                                    | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                                   |
|------------------|--------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------------------------------|
| <b>ADA4666-2</b> | 18 V, 725 $\mu$ A, 4 MHz CMOS RRIO Operational Amplifier                       | RECOMMENDED FOR NEW DESIGNS | 2         | 4M                 | 2.1M                       | 2                        | 2.2m                           | 18n                                          | 15p                              | Both         | 630 $\mu$                          | 3                                     | 18                                    | General Purpose                                                |
| <b>ADA4661-2</b> | 18 V, Precision, 725 $\mu$ A, 4 MHz CMOS RRIO Operational Amplifier            | RECOMMENDED FOR NEW DESIGNS | 2         | 4M                 | 2.1M                       | 2.2                      | 150 $\mu$                      | 18n                                          | 15p                              | Both         | 630 $\mu$                          | 3                                     | 18                                    | General Purpose                                                |
| <b>MAX44281</b>  | Ultra-Small, Ultra-Thin, 4-Bump Op Amp                                         | RECOMMENDED FOR NEW DESIGNS | 1         | 15M                | 15M                        | 8                        | 100 $\mu$                      | 15n                                          | 10p                              | Output       | 700 $\mu$                          | 1.7                                   | 5.5                                   | Buffer Amplifier, Shutdown, Single-ended, Single-Ended Op Amps |
| <b>ADA4895-1</b> | Low Power, 1 nV/ $\sqrt$ Hz, G $\geq$ 10 Stable, Rail-to-Rail Output Amplifier | RECOMMENDED FOR NEW DESIGNS | 1         | 1.5G               | 236M                       | 943                      | 350 $\mu$                      | 1n                                           | 16 $\mu$                         | Output       | 3m                                 | 3                                     | 10                                    | Rail-to-Rail Output                                            |
| <b>LT6237</b>    | Dual Rail-to-Rail Output 215MHz, 1.1nV/ $\sqrt$ Hz Op Amp/SAR ADC Driver       | RECOMMENDED FOR NEW DESIGNS | 2         | 215M               | 90M                        | 60                       | 350 $\mu$                      | 1.1n                                         | 10 $\mu$                         | Output       | 3.15m                              | 3                                     | 12.6                                  | Shutdown                                                       |
| <b>LT6236</b>    | Rail-to-Rail Output 215MHz, 1.1nV/ $\sqrt$ Hz Op Amp/ SAR ADC Driver           | RECOMMENDED FOR NEW DESIGNS | 1         | 215M               | 90M                        | 60                       | 500 $\mu$                      | 1.1n                                         | 10 $\mu$                         | Output       | 3.15m                              | 3                                     | 12.6                                  | Shutdown                                                       |
| <b>LT6017</b>    | Quad 3.2MHz, 0.8V/ $\mu$ s Low Power, Over-The-Top Precision Op Amp            | RECOMMENDED FOR NEW DESIGNS | 4         | 3.2M               | -                          | 750m                     | 50 $\mu$                       | 18n                                          | 5n                               | Both         | 315 $\mu$                          | 3                                     | 50                                    | Over-the-Top                                                   |

|                  | Description                                                           | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|------------------|-----------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>ADA4312-1</b> | Wideband, Differential, High Output Current Line Driver with Shutdown | PRODUCTION                  | 2         | -                  | 195M                       | 2.1k                     | 1.2m                           | 57n                                          | 175μ                             | -            | 46m                                | 12                                    | 12                                    | Line Drivers |
| <b>LT6016</b>    | Dual 3.2MHz, 0.8V/μs Low Power, Over-The-Top Precision Op Amp         | RECOMMENDED FOR NEW DESIGNS | 2         | 3.2M               | -                          | 750m                     | 50μ                            | 18n                                          | 5n                               | Both         | 315μ                               | 3                                     | 50                                    | Over-the-Top |
| <b>LTC6090</b>   | 140V CMOS Rail-to-Rail Output, Picoamp Input Current Op Amp           | RECOMMENDED FOR NEW DESIGNS | 1         | 12M                | -                          | 24                       | 1m                             | 14n                                          | 3p                               | Output       | 2.8m                               | 9.5                                   | 140                                   | Shutdown     |
| <b>LTC6090-5</b> | 140V CMOS Rail-to-Rail Output, Picoamp Input Current Op Amp           | RECOMMENDED FOR NEW DESIGNS | 1         | 24M                | -                          | 37                       | 1m                             | 14n                                          | 3p                               | Output       | 2.8m                               | 9.5                                   | 140                                   | Shutdown     |
| <b>MAX44241</b>  | 36V, Low-Noise, Precision, Single/Quad/Dual Op Amps                   | PRODUCTION                  | 1         | 5M                 | 5M                         | 3.8                      | 5μ                             | 9n                                           | 600p                             | Output       | 420μ                               | 2.7                                   | 36                                    | CMOS Inputs  |
| <b>MAX44243</b>  | 36V, Low-Noise, Precision, Single/Quad/Dual Op Amps                   | RECOMMENDED FOR NEW DESIGNS | 4         | 5M                 | 5M                         | 3.8                      | 5μ                             | 9n                                           | 600p                             | Output       | 420μ                               | 2.7                                   | 36                                    | CMOS Inputs  |
| <b>MAX44244</b>  | 36V, Precision, Low-Power, 90μA, Single/Quad/Dual Op Amps             | PRODUCTION                  | 1         | -                  | 1M                         | 700m                     | 7.5μ                           | 50n                                          | 300p                             | Output       | 100μ                               | 2.7                                   | 36                                    | CMOS Inputs  |

|                  | Description                                                                           | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                  |
|------------------|---------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| <b>MAX44245</b>  | 36V, Precision, Low-Power, 90μA, Single/Quad/Dual Op Amps                             | RECOMMENDED FOR NEW DESIGNS | 4         | -                  | 1M                         | 700m                     | 7.5μ                           | 50n                                          | 300p                             | Output       | 90μ                                | 2.7                                   | 36                                    | CMOS Inputs                   |
| <b>MAX44246</b>  | 36V, Low-Noise, Precision, Single/Quad/Dual Op Amps                                   | PRODUCTION                  | 2         | 5M                 | 5M                         | 3.8                      | 5μ                             | 9n                                           | 600p                             | Output       | 420μ                               | 2.7                                   | 36                                    | CMOS Inputs                   |
| <b>MAX44248</b>  | 36V, Precision, Low-Power, 90μA, Single/Quad/Dual Op Amps                             | PRODUCTION                  | 2         | 1M                 | 1M                         | 700m                     | 7.5μ                           | 50n                                          | 300p                             | Output       | 90μ                                | 2.7                                   | 36                                    | CMOS Inputs                   |
| <b>ADA4077-2</b> | 4 MHz, 7 nV/√Hz, Low Offset and Drift, High Precision Dual Amplifier                  | RECOMMENDED FOR NEW DESIGNS | 2         | 3.9M               | -                          | 1                        | 25μ                            | 7n                                           | 1n                               | -            | 400μ                               | 5                                     | 30                                    | -                             |
| <b>ADA4096-4</b> | 30 V, Micropower, Overvoltage Protection, Rail-to-Rail Input/Output Quad Op Amplifier | RECOMMENDED FOR NEW DESIGNS | 4         | 786k               | 1.52M                      | 400m                     | 300μ                           | 27n                                          | 25n                              | Both         | 60μ                                | 3                                     | 30                                    | Over Voltage Protection (OVP) |
| <b>ADA4528-2</b> | Precision, Ultralow Noise, RRIO, Zero-Drift Dual Op Amp                               | RECOMMENDED FOR NEW DESIGNS | 2         | 3.4M               | 6.5M                       | 500m                     | 2.5μ                           | 5.9n                                         | 250p                             | Both         | 1.4m                               | 2.2                                   | 5.5                                   | -                             |
| <b>ADA4500-2</b> | 10 MHz, 14.5 nV/√Hz, Rail-to-Rail I/O, Zero Input Crossover Distortion Amplifier      | RECOMMENDED FOR NEW DESIGNS | 2         | 10M                | 19.2M                      | 5.5                      | 120μ                           | 14.5n                                        | 1p                               | Both         | 1.55m                              | 2.7                                   | 5.5                                   | General Purpose               |

|           | Description                                                              | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|-----------|--------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| MAX44280  | 1.8V, 50MHz, Low-Offset, Low-Power, Rail-to-Rail I/O Op Amp              | PRODUCTION                  | 1         | 50M                | 50M                        | 30                       | 50μ                            | 12.7n                            | 500f                             | Both             | 750μ                               | 1.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| AD823A    | 17 MHz, Rail-to-Rail FET Input Dual Amplifier                            | PRODUCTION                  | 2         | 10M                | 19M                        | 35                       | 3.5m                           | 13n                              | 25p                              | In to V-, Output | 5.1m                               | 3                                     | 36                                    | -                     |
| ADA4001-2 | Low Noise, Low Input Bias Current, Rail-to-Rail Output, JFET Dual Op Amp | RECOMMENDED FOR NEW DESIGNS | 2         | 16.7M              | 10.3M                      | 25                       | 1.5m                           | 7.7n                             | 30p                              | Output           | 2m                                 | 9                                     | 36                                    | -                     |
| MAX44250  | 20V, Ultra-Precision, Low-Noise Op Amps                                  | PRODUCTION                  | 1         | 10M                | 10M                        | 8                        | 9μ                             | 5.9n                             | 1.4n                             | Output           | 1.22m                              | 2.7                                   | 20                                    | -                     |
| MAX44251  | 20V, Ultra-Precision, Low-Noise Op Amps                                  | PRODUCTION                  | 2         | 10M                | 10M                        | 8                        | 6μ                             | 5.9n                             | 1.3n                             | Output           | 1.15m                              | 2.7                                   | 20                                    | -                     |
| MAX44252  | 20V, Ultra-Precision, Low-Noise Op Amps                                  | PRODUCTION                  | 4         | 10M                | 10M                        | 8                        | 6μ                             | 5.9n                             | 1.3n                             | Output           | 1.15m                              | 2.7                                   | 20                                    | -                     |
| ADA4897-2 | 1 nV/√Hz, Low Power Operational Amplifier                                | RECOMMENDED FOR NEW DESIGNS | 2         | 90M                | 230M                       | 120                      | 500μ                           | 1n                               | 17μ                              | Output           | 3m                                 | 3                                     | 10                                    | Rail-to-Rail Output   |
| ADA4895-2 | Low Power, 1 nV/√Hz, G ≥ 10 Stable, Rail-to-Rail Output Amplifier        | RECOMMENDED FOR NEW DESIGNS | 2         | 1.5G               | 236M                       | 943                      | 350μ                           | 1n                               | 16μ                              | Output           | 3m                                 | 3                                     | 10                                    | Rail-to-Rail Output   |
| AD8548    | 18V, 22μA, 45nV/√Hz, RRIO, Quad Op Amp                                   | RECOMMENDED FOR NEW DESIGNS | 4         | 240k               | 310k                       | 80m                      | 3m                             | 45n                              | 20p                              | -                | 22μ                                | 2.7                                   | 18                                    | -                     |

|           | Description                                                                      | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|-----------|----------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| ADA4084-2 | 30 V, Low Noise, Rail-to-Rail Input/Output, Low Power Operational Dual Amplifier | RECOMMENDED FOR NEW DESIGNS | 2         | 15.9M              | 13.9M                      | 4.6                      | 100μ                           | 3.9n                                         | 250n                             | Both             | 565μ                               | 3                                     | 30                                    | -                     |
| ADA4896-2 | 1 nV/√Hz, Low Power, Rail-to-Rail Output Amplifiers                              | RECOMMENDED FOR NEW DESIGNS | 2         | 90M                | 230M                       | 120                      | 500μ                           | 1n                                           | 17μ                              | Output           | 3m                                 | 3                                     | 10                                    | -                     |
| ADA4897-1 | 1 nV/√Hz, Low Power, Rail-to-Rail Output Amplifiers                              | RECOMMENDED FOR NEW DESIGNS | 1         | 90M                | 230M                       | 120                      | 500μ                           | 1n                                           | 17μ                              | Output           | 3m                                 | 3                                     | 10                                    | -                     |
| MAX44259  | 1.8V, 15MHz Low-Offset, Low-Power, Rail-to-Rail I/O Op Amps                      | RECOMMENDED FOR NEW DESIGNS | 1         | -                  | 15M                        | 7                        | 800μ                           | -                                            | 500f                             | Both             | 750μ                               | 1.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX44260  | 1.8V, 15MHz Low-Offset, Low-Power, Rail-to-Rail I/O Op Amps                      | PRODUCTION                  | 1         | 15M                | 15M                        | 7                        | 50μ                            | 12.7n                                        | 500f                             | Both             | 750μ                               | 1.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX44261  | 1.8V, 15MHz Low-Offset, Low-Power, Rail-to-Rail I/O Op Amps                      | PRODUCTION                  | 1         | 15M                | 15M                        | 7                        | 50μ                            | 12.7n                                        | 500f                             | Both             | 750μ                               | 1.7                                   | 5.5                                   | CMOS Inputs           |
| MAX44263  | 1.8V, 15MHz Low-Offset, Low-Power, Rail-to-Rail I/O Op Amps                      | PRODUCTION                  | 2         | 15M                | 15M                        | 7                        | 50μ                            | 12.7n                                        | 500f                             | Both             | 650μ                               | 1.7                                   | 5.5                                   | CMOS Inputs           |
| LTC6360   | Very Low Noise Single-Ended SAR ADC Driver with True Zero Output                 | LAST TIME BUY               | 1         | 1G                 | 250M                       | 135                      | 250μ                           | 2.3n                                         | 30μ                              | In to V-, Output | 13.6m                              | 4.75                                  | 5.25                                  | Shutdown              |

|           | Description                                                                           | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                  |
|-----------|---------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| ADA4638-1 | 30V Auto-zero, Rail-to-Rail Output Precision Amplifier                                | RECOMMENDED FOR NEW DESIGNS | 1         | 1.5M               | 2.5M                       | 1.5                      | 4.5μ                           | 66n                              | 90p                              | In to V-, Output | 850μ                               | 4.5                                   | 30                                    | -                             |
| RH6200M   | Low Noise, High Speed Rail-to-Rail Op Amp                                             | PRODUCTION                  | 1         | 165M               | -                          | 44                       | 2m                             | 1.1n                             | 18μ                              | Both             | 16.5m                              | 4.5                                   | 12.6                                  | -                             |
| ADA4096-2 | 30 V, Micropower, Overvoltage Protection, Rail-to-Rail Input/Output Dual Op Amplifier | RECOMMENDED FOR NEW DESIGNS | 2         | 786k               | 1.52M                      | 400m                     | 300μ                           | 27n                              | 25n                              | Both             | 60μ                                | 3                                     | 30                                    | Over Voltage Protection (OVP) |
| AD8659    | 22 μA, RRIO, CMOS, 18 V Quad Operational Amplifier                                    | RECOMMENDED FOR NEW DESIGNS | 4         | 230k               | 305k                       | 80m                      | 350μ                           | 45n                              | 20p                              | Both             | 22μ                                | 2.7                                   | 18                                    | -                             |
| MAX44265  | Rail-to-Rail, 200kHz Op Amp with Shutdown in a Tiny, 6-Bump WLP                       | PRODUCTION                  | 1         | 200k               | 200k                       | 100m                     | 1m                             | 400n                             | 10p                              | Both             | 4μ                                 | 1.8                                   | 5.5                                   | CMOS Inputs, Shutdown         |
| ADA4610-2 | Low Noise, Precision, Rail-to-Rail Output, JFET Dual Op Amp                           | RECOMMENDED FOR NEW DESIGNS | 2         | 16.3M              | 9.5M                       | 25                       | 400μ                           | 7.3n                             | 25p                              | Output           | 1.6m                               | 10                                    | 36                                    | -                             |
| MAX44264  | nanoPower Op Amp in a Tiny 6-Bump WLP                                                 | PRODUCTION                  | 1         | 9k                 | 9k                         | 2m                       | 7m                             | 120n                             | 1.5n                             | Output           | 750n                               | 1.8                                   | 5.5                                   | -                             |
| AD8546    | 18V, 22μA, 45nV/√Hz, RRIO, Dual Op Amp                                                | PRODUCTION                  | 2         | 240k               | 310k                       | 80m                      | 3m                             | 45n                              | 20p                              | -                | 22μ                                | 2.7                                   | 18                                    | -                             |

|                  | Description                                                                              | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|------------------|------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>ADA4528-1</b> | Precision, Ultralow Noise, RRIO, Zero-Drift Single Op Amp                                | PRODUCTION        | 1         | 3.4M               | 6.5M                       | 500m                     | 2.5μ                           | 5.9n                                         | 200p                             | Both         | 1.4m                               | 2.2                                   | 5.5                                   | -                     |
| <b>AD8671S</b>   | Aerospace Single Precision Very Low Noise, Low Input Bias Current, Operational Amplifier | PRODUCTION        | 1         | 10M                | -                          | 4                        | 75μ                            | -                                            | 12n                              | -            | -                                  | 8                                     | 36                                    | -                     |
| <b>MAX9614</b>   | Low-Power Single/Dual, Rail-to-Rail Op Amps                                              | PRODUCTION        | 1         | 2.8M               | 2.8M                       | 1.3                      | 100μ                           | 28n                                          | 1.55p                            | Output       | 120μ                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX9616</b>   | Low-Power Single/Dual, Rail-to-Rail Op Amps                                              | PRODUCTION        | 2         | 2.8M               | 2.8M                       | 1.3                      | 100μ                           | 28n                                          | 1.55p                            | Output       | 120μ                               | 2.7                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9613</b>   | Low-Power, High-Efficiency, Single/Dual, Rail-to-Rail I/O Op Amps                        | PRODUCTION        | 1         | 2.8M               | 2.8M                       | 1.3                      | 100μ                           | 28n                                          | 1.55p                            | Both         | 220μ                               | 1.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX9615</b>   | Low-Power, High-Efficiency, Single/Dual, Rail-to-Rail I/O Op Amps                        | PRODUCTION        | 2         | 2.8M               | 2.8M                       | 1.3                      | 100μ                           | 28n                                          | 1.55p                            | Both         | 220μ                               | 1.7                                   | 5.5                                   | CMOS Inputs           |
| <b>LTC6252</b>   | 720MHz, 3.5mA Power Efficient Rail-to-Rail I/O Op Amps                                   | LAST TIME BUY     | 1         | 720M               | 400M                       | 280                      | 350μ                           | 2.75n                                        | 570n                             | Both         | 3.3m                               | 2.5                                   | 5.25                                  | Shutdown              |
| <b>LTC6253</b>   | 720MHz, 3.5mA Dual Power Efficient Rail-to-Rail I/O Op Amps                              | LAST TIME BUY     | 2         | 720M               | 400M                       | 280                      | 350μ                           | 2.75n                                        | 750n                             | Both         | 3.3m                               | 2.5                                   | 5.25                                  | Shutdown              |

|           | Description                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features            |
|-----------|-----------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------|
| LTC6254   | 720MHz, 3.5mA Quad Power Efficient Rail-to-Rail I/O Op Amps     | LAST TIME BUY     | 4         | 720M               | 400M                       | 280                      | 350μ                           | 2.75n                                        | 3μ                               | Both             | 3.3m                               | 2.5                                   | 5.25                                  | Shutdown                |
| ADA4891-3 | Low Cost CMOS, High Speed, Rail-to-Rail Amplifier (Triple)      | PRODUCTION        | 3         | 105M               | 220M                       | 170                      | 10m                            | 9n                                           | 50p                              | In to V-, Output | 4.4m                               | 2.7                                   | 5.5                                   | Shutdown                |
| ADA4891-4 | Low Cost CMOS, High Speed, Rail-to-Rail Amplifier (Quad)        | PRODUCTION        | 4         | 105M               | 220M                       | 170                      | 10m                            | 9n                                           | 50p                              | In to V-, Output | 4.4m                               | 2.7                                   | 5.5                                   | -                       |
| MAX9636   | 3V/5V Low-Power, Low Input-Bias, CMOS, Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 1.5M               | 1.5M                       | 900m                     | 2.2m                           | 38n                                          | 800f                             | Both             | 36μ                                | 2.1                                   | 5.5                                   | CMOS Inputs, Shutdown   |
| MAX9637   | 3V/5V Low-Power, Low Input-Bias, CMOS, Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 1.5M               | 1.5M                       | 900m                     | 2.2m                           | 38n                                          | 800f                             | Both             | 36μ                                | 2.1                                   | 5.5                                   | CMOS Inputs             |
| MAX9638   | 3V/5V Low-Power, Low Input-Bias, CMOS, Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 1.5M               | 1.5M                       | 900m                     | 2.2m                           | 38n                                          | 800f                             | Both             | 36μ                                | 2.1                                   | 5.5                                   | CMOS Inputs, Shutdown   |
| ADA4637-1 | 30 V, 80 MHz, Low Noise, Low Bias Current, JFET Op Amp          | PRODUCTION        | 1         | 79.9M              | -                          | 170                      | 200μ                           | 4.8n                                         | 5p                               | -                | 7m                                 | 9                                     | 30                                    | -                       |
| LTC6256   | Dual 6.5MHz, 65μA Power Efficient Rail-to-Rail I/O Op Amps      | LAST TIME BUY     | 2         | 6.5M               | -                          | 1.8                      | 350μ                           | 21n                                          | 50n                              | Both             | 65μ                                | 1.8                                   | 5.25                                  | C-Load Stable, Shutdown |



|                  | Description                                                                          | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features            |
|------------------|--------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------|
| <b>LTC6257</b>   | Quad 6.5MHz, 65µA Power Efficient Rail-to-Rail I/O Op Amps                           | LAST TIME BUY               | 4         | 6.5M               | -                          | 1.8                      | 350µ                           | 21n                                          | 50n                              | Both             | 65µ                                | 1.8                                   | 5.25                                  | C-Load Stable, Shutdown |
| <b>LTC6255</b>   | 6.5MHz, 65µA Power Efficient Rail-to-Rail I/O Op Amps                                | LAST TIME BUY               | 1         | 6.5M               | -                          | 1.8                      | 350µ                           | 21n                                          | 50n                              | Both             | 60µ                                | 1.8                                   | 5.25                                  | C-Load Stable, Shutdown |
| <b>ADA4800</b>   | Low Power, High Speed CCD Buffer Amplifier                                           | PRODUCTION                  | 1         | -                  | 400M                       | 415                      | 41m                            | 1.5n                                         | -                                | In to V+         | 1.4m                               | 4                                     | 17                                    | -                       |
| <b>MAX4805</b>   | Octal High-Voltage-Protected, Low-Power, Low-Noise Operational Amplifiers            | RECOMMENDED FOR NEW DESIGNS | 8         | -                  | 44M                        | 25                       | -                              | -                                            | -                                | -                | 2.1m                               | 2                                     | 5                                     | -                       |
| <b>AD8629S</b>   | AEROSPACE ZERO DRIFT, SINGLE-SUPPLY, RAIL-TO-RAIL INPUT/OUTPUT OPERATIONAL AMPLIFIER | PRODUCTION                  | 2         | 2.5M               | -                          | 1                        | 10µ                            | 22n                                          | 500p                             | Both             | -                                  | 2.7                                   | 5.5                                   | -                       |
| <b>ADA4891-1</b> | Low Cost CMOS, High Speed, Rail-to-Rail Amplifier (Single)                           | PRODUCTION                  | 1         | 105M               | 240M                       | 170                      | 10m                            | 9n                                           | 50p                              | In to V-, Output | 4.4m                               | 2.7                                   | 5.5                                   | -                       |
| <b>ADA4891-2</b> | Low Cost CMOS, High Speed, Rail-to-Rail Amplifiers (Dual)                            | PRODUCTION                  | 2         | 105M               | 240M                       | 170                      | 10m                            | 9n                                           | 50p                              | In to V-, Output | 4.4m                               | 2.7                                   | 5.5                                   | -                       |

|                  | Description                                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                  |
|------------------|--------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| <b>AD8657</b>    | 22 $\mu$ A, RRIO, CMOS, 18 V Dual Operational Amplifier                                    | PRODUCTION        | 2         | 230k               | 305k                       | 80m                      | 350 $\mu$                      | 45n                                          | 20p                              | Both             | 22 $\mu$                           | 2.7                                   | 18                                    | -                             |
| <b>ADA4898-2</b> | High Voltage, Low Noise, Low Distortion, Unity Gain Stable, High Speed, Dual 8-Lead Op Amp | PRODUCTION        | 2         | 50M                | 65M                        | 55                       | 125 $\mu$                      | 900p                                         | 400n                             | -                | 7.9m                               | 9                                     | 36                                    | -                             |
| <b>ADA4092-4</b> | Micropower, OVP, RRIO, Quad Op Amp                                                         | PRODUCTION        | 4         | 1.4M               | -                          | 400m                     | 1.5m                           | 24n                                          | 80n                              | Both             | 165 $\mu$                          | 2.7                                   | 36                                    | Over Voltage Protection (OVP) |
| <b>ADA4691-4</b> | Low Power, 3.6 MHz, Low Noise, Rail-to-Rail Output, Operational Amplifiers                 | PRODUCTION        | 4         | 3.6M               | -                          | 1.3                      | 2.5m                           | 16n                                          | 5p                               | In to V-, Output | 165 $\mu$                          | 2.7                                   | 5.5                                   | General Purpose               |
| <b>AD8505</b>    | 20 $\mu$ A Maximum, RRIO, Zero Input Crossover Distortion Single Op Amp                    | PRODUCTION        | 1         | 95k                | -                          | 13m                      | 2.5m                           | 45n                                          | 10p                              | Both             | 16.5 $\mu$                         | 1.8                                   | 5                                     | -                             |
| <b>AD8624</b>    | Low Power, Precision Rail-to-Rail Output Quad Op Amp                                       | PRODUCTION        | 4         | 560k               | -                          | 480m                     | 125 $\mu$                      | 11n                                          | 200p                             | Output           | 215 $\mu$                          | 5                                     | 36                                    | -                             |
| <b>LTC6246</b>   | 180MHz, 1mA Power Efficient Single Rail-to-Rail I/O Op Amps                                | LAST TIME BUY     | 1         | 180M               | 120M                       | 90                       | 500 $\mu$                      | 4.2n                                         | 350n                             | Both             | 950 $\mu$                          | 2.5                                   | 5.25                                  | Shutdown                      |
| <b>LTC6247</b>   | 180MHz, 1mA Power Efficient Dual Rail-to-Rail I/O Op Amps                                  | LAST TIME BUY     | 2         | 180M               | 120M                       | 90                       | 500 $\mu$                      | 4.2n                                         | 350n                             | Both             | 950 $\mu$                          | 2.5                                   | 5.25                                  | Shutdown                      |

|                  | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|------------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>LTC6248</b>   | 180MHz, 1mA Power Efficient Quad Rail-to-Rail I/O Op Amps                  | LAST TIME BUY     | 4         | 180M               | 120M                       | 90                       | 500μ                           | 4.2n                                         | 350n                             | Both             | 950μ                               | 2.5                                   | 5.25                                  | Shutdown              |
| <b>ADA4692-4</b> | Low Power, 3.6 MHz, Low Noise, Rail-to-Rail Output, Operational Amplifiers | PRODUCTION        | 4         | 3.6M               | -                          | 1.3                      | 2.5m                           | 16n                                          | 5p                               | In to V-, Output | 225μ                               | 2.7                                   | 5.5                                   | General Purpose       |
| <b>MAX9617</b>   | Single/Dual SC70, Zero-Drift, High-Efficiency, 1.5MHz Op Amps with RRIO    | PRODUCTION        | 1         | 1.5M               | 1.5M                       | 700m                     | 10μ                            | 42n                                          | 80p                              | Both             | 59μ                                | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9618</b>   | Single/Dual SC70, Zero-Drift, High-Efficiency, 1.5MHz Op Amps with RRIO    | PRODUCTION        | 2         | 1.5M               | 1.5M                       | 700m                     | 10μ                            | 42n                                          | 80p                              | Both             | 59μ                                | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9619</b>   | Single/Dual SC70, Zero-Drift, High-Efficiency, 1.5MHz Op Amps with RRIO    | PRODUCTION        | 1         | 1.5M               | 1.5M                       | 700m                     | 10μ                            | 42n                                          | 80p                              | Both             | 59μ                                | 1.8                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX9620</b>   | Single/Dual SC70, Zero-Drift, High-Efficiency, 1.5MHz Op Amps with RRIO    | PRODUCTION        | 1         | 1.5M               | 1.5M                       | 700m                     | 10μ                            | 42n                                          | 80p                              | Both             | 59μ                                | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>ADA4051-1</b> | 1.8 V, μpower, Zero-Drift, RRIO Single Amplifier                           | PRODUCTION        | 1         | 125k               | -                          | 60m                      | 17μ                            | 95n                                          | 70p                              | Both             | 15μ                                | 1.8                                   | 5.5                                   | -                     |

|           | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                  |
|-----------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| ADA4627-1 | 36 V, 19 MHz, Low Noise, Low Bias Current, JFET Op Amp                     | PRODUCTION        | 1         | 19M                | -                          | 56                       | 200μ                           | 4.8n                                         | 5p                               | -                | 7m                                 | 9                                     | 36                                    | -                             |
| ADA4091-4 | Precision, Micropower, OVP, RRIO Quad Op Amp                               | PRODUCTION        | 4         | 1.27M              | -                          | 460m                     | 250μ                           | 24n                                          | 80n                              | Both             | 165μ                               | 2.7                                   | 36                                    | Over Voltage Protection (OVP) |
| ADA4505-1 | 10μA, RRIO, Zero Input Crossover Distortion Single Op Amp                  | PRODUCTION        | 1         | 50k                | -                          | 6m                       | 3m                             | 65n                                          | 2p                               | Both             | 9μ                                 | 1.8                                   | 5                                     | -                             |
| ADA4062-4 | Quad, Low Power JFET-Input Op Amp                                          | PRODUCTION        | 4         | 1.4M               | -                          | 3.3                      | 1.5m                           | 36n                                          | 50p                              | In to V+         | 165μ                               | 8                                     | 36                                    | General Purpose               |
| ADA4691-2 | Low Power, 3.6 MHz, Low Noise, Rail-to-Rail Output, Operational Amplifiers | PRODUCTION        | 2         | 3.6M               | -                          | 1.3                      | 2.5m                           | 16n                                          | 5p                               | In to V-, Output | 165μ                               | 2.7                                   | 5.5                                   | General Purpose               |
| ADA4051-2 | 1.8V, μPower, Zero-Drift, RRIO Dual Amplifier                              | PRODUCTION        | 2         | 125k               | -                          | 60m                      | 15μ                            | 95n                                          | 70p                              | Both             | 13μ                                | 1.8                                   | 5.5                                   | -                             |
| RH1128M   | Radiation Hardened Ultralow Noise Precision High Speed Op Amps             | PRODUCTION        | 1         | 75M                | -                          | 15                       | 80μ                            | 1n                                           | 400n                             | -                | 7.6m                               | -                                     | 32                                    | Op Amp                        |
| MAX9943   | High-Voltage, Precision, Low-Power Op Amps                                 | PRODUCTION        | 1         | 2.4M               | 2.4M                       | 350m                     | 100μ                           | 17.6n                                        | 90n                              | Output           | 550μ                               | 6                                     | 38                                    | -                             |

|           | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>-3dB typ</sub> | Slew Rate <sub>typ</sub> | V <sub>os max</sub> | V <sub>Noise typ</sub><br>Density | I <sub>bias max</sub> | Rail to Rail     | I <sub>q/Amp typ</sub> | V <sub>s min span</sub> | V <sub>s max span</sub> | Amp Features                     |
|-----------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|------------------------|--------------------------|---------------------|-----------------------------------|-----------------------|------------------|------------------------|-------------------------|-------------------------|----------------------------------|
| MAX9944   | High-Voltage, Precision, Low-Power Op Amps                                 | PRODUCTION        | 2         | 2.4M               | 2.4M                   | 350m                     | 100μ                | 17.6n                             | 90n                   | Output           | 550μ                   | 6                       | 38                      | -                                |
| ADA4692-2 | Low Power, 3.6 MHz, Low Noise, Rail-to-Rail Output, Operational Amplifiers | PRODUCTION        | 2         | 3.6M               | -                      | 1.3                      | 2.5m                | 16n                               | 5p                    | In to V-, Output | 180μ                   | 2.7                     | 5.5                     | General Purpose                  |
| MAX9945   | 38V, Low-Noise, MOS-Input, Low-Power Op Amp                                | PRODUCTION        | 1         | 3M                 | 3M                     | 2.2                      | 5m                  | 15n                               | 150f                  | Output           | 400μ                   | 4.75                    | 38                      | CMOS Inputs                      |
| ADA4665-2 | 16 V, 1 MHz, CMOS RRIO, Dual Op Amp                                        | PRODUCTION        | 2         | 1.2M               | -                      | 1                        | 4m                  | 27n                               | 1p                    | Both             | 400μ                   | 5                       | 16                      | General Purpose                  |
| ADA4859-3 | Single-Supply, Fixed G = 2, High Speed, Video Amplifier with Charge Pump   | PRODUCTION        | 3         | -                  | 265M                   | 740                      | 25m                 | 17n                               | 2μ                    | -                | 5.7m                   | 3                       | 5.5                     | Integrated Charge Pump, Shutdown |
| ADA4817-1 | Single, Low Noise, 1 GHz FastFET Op Amplifier                              | PRODUCTION        | 1         | 410M               | 1.05G                  | 870                      | 2m                  | 4n                                | 20p                   | In to V-         | 19m                    | 5                       | 10                      | -                                |
| ADA4817-2 | Dual, Low Noise, 1 GHz FastFET Op Amplifier                                | PRODUCTION        | 2         | 410M               | 1.05G                  | 870                      | 2m                  | 4n                                | 20p                   | In to V-         | 19m                    | 5                       | 10                      | -                                |
| ADA4858-3 | Single-Supply, High Speed, Triple Op Amp with Charge Pump                  | PRODUCTION        | 3         | -                  | 600M                   | 600                      | 14m                 | 4n                                | 13μ                   | -                | 19m                    | 3                       | 5.5                     | Shutdown                         |

|           | Description                                                                  | Product Lifecycle | # of Amps | GBP typ | BW typ<br>-3 dB | Slew Rate typ | Vos max | VNoise typ<br>Density | Ibias max | Rail to Rail     | Iq/Amp typ | Vs min<br>span | Vs max<br>span | Amp Features                  |
|-----------|------------------------------------------------------------------------------|-------------------|-----------|---------|-----------------|---------------|---------|-----------------------|-----------|------------------|------------|----------------|----------------|-------------------------------|
| ADA4856-3 | Single-Supply, High Speed, Fixed G = +2, Rail-to-Rail Output Video Amplifier | PRODUCTION        | 3         | -       | 370M            | 800           | 3.4m    | 14n                   | -         | In to V-, Output | 7.8m       | 3              | 5.5            | Shutdown                      |
| ADA4855-3 | Single Supply, High Speed, Rail-to-Rail Output, Triple Op Amp                | PRODUCTION        | 3         | 240M    | 410M            | 870           | 3m      | 6.8n                  | 3.8μ      | In to V-, Output | 7.8m       | 3              | 5.5            | -                             |
| ADA4505-4 | 10 μA, RRIO, Zero Input Crossover Distortion Quad Op Amp                     | PRODUCTION        | 4         | 50k     | -               | 6m            | 3m      | 65n                   | 2p        | Both             | 9μ         | 1.8            | 5              | -                             |
| ADA4062-2 | Low Power JFET-Input Dual Op Amp                                             | PRODUCTION        | 2         | 1.4M    | -               | 3.3           | 1.5m    | 36n                   | 50p       | In to V+         | 165μ       | 8              | 36             | General Purpose               |
| ADA4075-2 | Ultralow Noise Amplifier at Lower Power                                      | PRODUCTION        | 2         | 6.5M    | -               | 12            | 1m      | 2.8n                  | 100n      | -                | 2.25m      | 9              | 36             | General Purpose               |
| ADA4091-2 | Precision, Micropower, OVP, RRIO Dual Op Amp                                 | PRODUCTION        | 2         | 1.27M   | -               | 460m          | 250μ    | 24n                   | 80n       | Both             | 165μ       | 2.7            | 36             | Over Voltage Protection (OVP) |
| AD8622    | Low Power, Low Noise, Low Bias Current, Precision Dual RRO Op Amp            | PRODUCTION        | 2         | 560k    | -               | 480m          | 125μ    | 11n                   | 200p      | Output           | 215μ       | 5              | 36             | -                             |
| AD8597    | Ultralow Distortion, Ultralow Noise Op Amp (single)                          | PRODUCTION        | 1         | 10M     | -               | 16            | 120μ    | 1.07n                 | 200n      | -                | 5.7m       | 9              | 30             | -                             |

|           | Description                                                                   | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|-----------|-------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| ADA4505-2 | 10 $\mu$ A, RRIO, Zero Input Crossover Distortion Dual Op Amp                 | PRODUCTION        | 2         | 50k                | -                          | 6m                       | 3m                             | 65n                                          | 2p                               | Both         | 9 $\mu$                            | 1.8                                   | 5                                     | -            |
| AD8508    | 20 $\mu$ A Maximum, RRIO, Zero Input Crossover Distortion Quad Op Amp         | PRODUCTION        | 4         | 95k                | -                          | 13m                      | 2.5m                           | 45n                                          | 10p                              | Both         | 500 $\mu$                          | 1.8                                   | 5                                     | -            |
| LTC6084   | Dual 1.5MHz, Rail-to-Rail, CMOS Amplifiers                                    | PRODUCTION        | 2         | 1.5M               | -                          | 500m                     | 750 $\mu$                      | 31n                                          | 40p                              | Both         | 110 $\mu$                          | 2.5                                   | 5.5                                   | Shutdown     |
| LTC6085   | Quad 1.5MHz, Rail-to-Rail, CMOS Amplifiers                                    | PRODUCTION        | 4         | 1.5M               | -                          | 500m                     | 750 $\mu$                      | 31n                                          | 40p                              | Both         | 110 $\mu$                          | 2.5                                   | 5.5                                   | -            |
| ADA4898-1 | High Voltage, Low Noise, Low Distortion, Unity Gain Stable, High Speed Op Amp | PRODUCTION        | 1         | 50M                | 65M                        | 55                       | 125 $\mu$                      | 900p                                         | 400n                             | -            | 8.1m                               | 9                                     | 36                                    | -            |
| OP227S    | Aerospace Dual Low Noise Low Offset Inst. Op Amp                              | PRODUCTION        | 2         | -                  | -                          | -                        | 80 $\mu$                       | -                                            | 40n                              | -            | -                                  | -                                     | -                                     | -            |
| OP07S     | Aerospace Ultra Low Offset Voltage Op Amp                                     | PRODUCTION        | 1         | -                  | -                          | -                        | 25 $\mu$                       | -                                            | 2n                               | -            | -                                  | 6                                     | 36                                    | -            |
| OP11S     | Aerospace Quad Matched 741-Type Op Amp                                        | PRODUCTION        | 4         | -                  | -                          | -                        | 500 $\mu$                      | -                                            | 300n                             | -            | -                                  | 10                                    | 30                                    | -            |

|        | Description                                                 | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|--------|-------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| OP12S  | Aerospace Precision Low Input Current Operational Amplifier | PRODUCTION        | 1         | -                  | -                          | -                        | 150μ                           | -                                            | 2n                               | -            | -                                  | 10                                    | 30                                    | -            |
| OP15S  | Aerospace Precision JFET-Input Op Amp                       | PRODUCTION        | 1         | -                  | -                          | -                        | 500μ                           | -                                            | 50p                              | -            | -                                  | 20                                    | 36                                    | -            |
| OP16S  | Aerospace Precision JFET-Input Op Amp                       | PRODUCTION        | 1         | -                  | -                          | -                        | 500μ                           | -                                            | 50p                              | -            | -                                  | -                                     | -                                     | -            |
| OP200S | Aerospace Dual Low-Offset, Low Power Op Amp                 | PRODUCTION        | 2         | -                  | -                          | -                        | 75μ                            | -                                            | 2n                               | -            | -                                  | 3                                     | 36                                    | -            |
| OP215S | Aerospace Dual Precision JFET Input Op Amp                  | PRODUCTION        | 2         | -                  | -                          | -                        | 1m                             | -                                            | 100p                             | -            | -                                  | 20                                    | 32                                    | -            |
| OP270S | Aerospace Dual Very Low Noise Precision Op Amp              | PRODUCTION        | 2         | -                  | -                          | -                        | 75μ                            | -                                            | 20n                              | -            | 3.25m                              | 9                                     | 36                                    | -            |
| OP27S  | Aerospace Low Noise Precision Op Amp                        | PRODUCTION        | 1         | -                  | -                          | -                        | 25μ                            | -                                            | -                                | -            | -                                  | 8                                     | 36                                    | -            |
| OP37S  | Aerospace Low Noise Precision High Speed Op Amp             | PRODUCTION        | 1         | -                  | -                          | -                        | 25μ                            | -                                            | 40n                              | -            | -                                  | -                                     | 44                                    | Op Amp       |
| OP400S | Aerospace Quad Low-Offset, Low-Power Op Amp                 | PRODUCTION        | 4         | -                  | -                          | -                        | 150μ                           | -                                            | 3n                               | -            | -                                  | -                                     | 40                                    | Op Amp       |



|               | Description                                                            | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|---------------|------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>OP42S</b>  | Aerospace High Speed, Fast Settling Precision JFET-Input               | PRODUCTION        | 1         | -                  | -                          | -                        | 1m                             | -                                            | 200p                             | -            | -                                  | 16                                    | 40                                    | -            |
| <b>OP467S</b> | Aerospace Quad High-Speed Precision Op Amp                             | PRODUCTION        | 4         | -                  | -                          | -                        | 500μ                           | -                                            | 600n                             | -            | -                                  | 9                                     | 36                                    | -            |
| <b>OP470S</b> | Aerospace Very Low-Noise Quad Op Amp                                   | PRODUCTION        | 4         | -                  | -                          | -                        | 400μ                           | -                                            | 25n                              | -            | -                                  | 9                                     | 36                                    | -            |
| <b>OP471S</b> | Aerospace High Speed Low Noise Quad Op Amp                             | PRODUCTION        | 4         | -                  | -                          | -                        | 400μ                           | -                                            | 25n                              | -            | -                                  | 9                                     | 36                                    | -            |
| <b>OP484S</b> | Aerospace Precision, Rail-to-Rail Input & Output Operational Amplifier | PRODUCTION        | 4         | -                  | -                          | -                        | 200μ                           | -                                            | 350n                             | Both         | -                                  | 3                                     | 36                                    | -            |
| <b>OP77S</b>  | Aerospace Ultralow Offset Voltage Operational Amplifier                | PRODUCTION        | 1         | -                  | -                          | -                        | 60μ                            | -                                            | 4n                               | -            | -                                  | 6                                     | 44                                    | Op Amp       |
| <b>PM108S</b> | Aerospace Low Input Current Operational Amplifier                      | PRODUCTION        | 1         | -                  | -                          | -                        | 500μ                           | -                                            | 2n                               | -            | -                                  | 10                                    | 44                                    | -            |
| <b>PM155S</b> | Aerospace Monolithic JFET Input Operational Amplifier                  | PRODUCTION        | 1         | -                  | -                          | -                        | 2m                             | -                                            | 3n                               | -            | -                                  | 10                                    | 20                                    | -            |

|           | Description                                                  | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|-----------|--------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| PM156S    | Aerospace Monolithic JFET Input Operational Amplifier        | PRODUCTION        | 1         | -                  | -                          | -                        | 2m                             | -                                            | 3n                               | -                | -                                  | 10                                    | 20                                    | -            |
| AD648S    | Aerospace Dual Precision, Low Power BiFET Op Amp             | PRODUCTION        | 2         | -                  | -                          | -                        | 1m                             | -                                            | 10p                              | -                | -                                  | 9                                     | 36                                    | -            |
| AD8001S   | Aerospace 800 MHz, 50mW Current Feedback Amplifier           | PRODUCTION        | 1         | -                  | 880M                       | -                        | 5.5m                           | -                                            | 25μ                              | -                | -                                  | 6                                     | 12                                    | -            |
| AD8041S   | Aerospace 160 MHz Rail-to-Rail Amplifier with Disable        | PRODUCTION        | 1         | 160M               | -                          | -                        | 9.5m                           | -                                            | 3.4μ                             | In to V-, Output | -                                  | 3                                     | 12                                    | Shutdown     |
| AD844S    | Aerospace 60 MHz, 2000V/μS Op Amp                            | PRODUCTION        | 1         | -                  | 60M                        | -                        | 300μ                           | -                                            | 450n                             | -                | -                                  | 9                                     | 36                                    | -            |
| ADA4857-1 | Ultralow Distortion, Low Power, Low Noise, High Speed Op Amp | PRODUCTION        | 1         | 410M               | 850M                       | 2.8k                     | 4.5m                           | 4.4n                                         | 3.3μ                             | -                | 5m                                 | 4.5                                   | 10.5                                  | -            |
| RH1028M   | Ultralow Noise Precision High Speed Op Amps                  | PRODUCTION        | 1         | 75M                | -                          | 15                       | 80μ                            | 1n                                           | 400n                             | -                | 7.6m                               | -                                     | 32                                    | Op Amp       |
| AD8665    | 16 V, 4 MHz Rail-to-Rail Single Op Amp                       | PRODUCTION        | 1         | 4M                 | -                          | 3.5                      | 2.5m                           | 8n                                           | 1p                               | In to V-, Output | 1.55m                              | 5                                     | 16                                    | -            |
| AD8666    | 16 V, 4 MHz Rail-to-Rail Output Dual Op Amp                  | PRODUCTION        | 2         | 4M                 | -                          | 3.5                      | 2.5m                           | 8n                                           | 1p                               | In to V-, Output | 1.55m                              | 5                                     | 16                                    | -            |

|        | Description                                                    | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                |
|--------|----------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| AD8668 | 16 V, 4 MHz Rail-to-Rail Output Quad Op Amp                    | PRODUCTION                      | 4         | 4M                 | -                          | 3.5                      | 2.5m                           | 8n                               | 1p                               | In to V-, Output | 1.55m                              | 5                                     | 16                                    | -                           |
| AD712  | Precision, Low Cost, High Speed, BiFET Dual Op Amp             | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 4M                 | 4M                         | 20                       | 1m                             | 16n                              | 75p                              | -                | 2.8m                               | 9                                     | 36                                    | -                           |
| AD713  | Precision, High Speed, BiFET Quad Op Amp                       | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 4M                 | 4M                         | 20                       | 1.5m                           | 16n                              | 150p                             | -                | 3m                                 | 9                                     | 36                                    | -                           |
| AD8009 | 1 GHz, 5,500 V/μs Low Distortion Amplifier                     | PRODUCTION                      | 1         | -                  | 1G                         | 5.5k                     | 5m                             | 1.9n                             | 150μ                             | -                | 14m                                | 5                                     | 12                                    | -                           |
| AD8061 | Low Cost, 300 MHz Rail-to-Rail Amplifier (Single)              | PRODUCTION                      | 1         | 90M                | 320M                       | 650                      | 6m                             | 8.5n                             | 9μ                               | In to V-, Output | 9.5m                               | 2.7                                   | 8                                     | Op Amp, Rail-to-Rail Output |
| AD8062 | Low Cost, 300 MHz Rail-to-Rail Amplifier (Dual)                | PRODUCTION                      | 2         | 90M                | 320M                       | 650                      | 6m                             | 8.5n                             | 9μ                               | In to V-, Output | 9.5m                               | 2.7                                   | 8                                     | Op Amp, Rail-to-Rail Output |
| AD8063 | Low Cost, 300 MHz Rail-to-Rail Amplifier (Single with Disable) | PRODUCTION                      | 1         | 90M                | 320M                       | 650                      | 6m                             | 8.5n                             | 9μ                               | In to V-, Output | 9.5m                               | 2.7                                   | 8                                     | Op Amp, Rail-to-Rail Output |
| AD8091 | Low Cost, High Speed Rail-to-Rail Amplifier (Single)           | PRODUCTION                      | 1         | 50M                | 110M                       | 170                      | 11m                            | 16n                              | 2.6μ                             | In to V-, Output | 5.5m                               | 3                                     | 12                                    | -                           |
| AD8092 | Low Cost, High Speed Rail-to-Rail Amplifier (Dual)             | PRODUCTION                      | 2         | 50M                | 110M                       | 170                      | 11m                            | 16n                              | 2.6μ                             | In to V-, Output | 4.8m                               | 3                                     | 12                                    | Video Amplifiers            |

|                  | Description                                                                   | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|------------------|-------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>AD8639</b>    | 16V Dual Auto-Zero, Rail-to-Rail Output, Precision Amplifier                  | PRODUCTION        | 2         | 1.5M               | -                          | 2                        | 9μ                             | 60n                              | 75p                              | In to V-, Output | 1.5m                               | 4.5                                   | 16                                    | -            |
| <b>ADA4857-2</b> | Ultralow Distortion, Low Power, Low Noise, High Speed Op Amp                  | PRODUCTION        | 2         | 410M               | 850M                       | 2.8k                     | 4.5m                           | 4.4n                             | 3.3μ                             | -                | 5m                                 | 4.5                                   | 10.5                                  | -            |
| <b>ADA4004-4</b> | 1.8 nV/√Hz, 36 V Precision Quad Amplifier                                     | PRODUCTION        | 4         | 12M                | -                          | 2.7                      | 125μ                           | 1.8n                             | 90n                              | -                | 2.2m                               | 10                                    | 30                                    | -            |
| <b>AD8506</b>    | 20 μA Maximum, RRIO, Zero Input Crossover Distortion Dual Op Amp              | PRODUCTION        | 2         | 95k                | -                          | 13m                      | 2.5m                           | 45n                              | 10p                              | Both             | 20μ                                | 1.8                                   | 5                                     | -            |
| <b>AD8638</b>    | 16 V Auto-Zero, Rail-to-Rail Output Operational Amplifier                     | PRODUCTION        | 1         | 1.5M               | -                          | 2                        | 9μ                             | 60n                              | 75p                              | In to V-, Output | 1.5m                               | 4.5                                   | 16                                    | -            |
| <b>AD8663</b>    | Single, Low Noise, Precision, 16 V, CMOS, Rail-to-Rail Operational Amplifiers | PRODUCTION        | 1         | 540k               | -                          | 300m                     | 300μ                           | 21n                              | 45p                              | Output           | 285μ                               | 5                                     | 16                                    | -            |
| <b>AD8667</b>    | Dual, Low Noise, Precision 16 V CMOS R-R Dual Amplifiers                      | PRODUCTION        | 2         | 540k               | -                          | 300m                     | 300μ                           | 21n                              | 45p                              | Output           | 285μ                               | 5                                     | 16                                    | -            |

|           | Description                                                                 | Product Lifecycle | # of Amps | GBP typ | BW typ<br>-3 dB | Slew typ<br>Rate | Vos max | VNoise typ<br>Density | Ibias max | Rail to Rail     | Iq/Amp typ | Vs min<br>span | Vs max<br>span | Amp Features |
|-----------|-----------------------------------------------------------------------------|-------------------|-----------|---------|-----------------|------------------|---------|-----------------------|-----------|------------------|------------|----------------|----------------|--------------|
| AD8669    | Quad, Low Noise, Precision, 16 V, CMOS, Rail-to-Rail Operational Amplifiers | PRODUCTION        | 4         | 540k    | -               | 300m             | 300μ    | 21n                   | 45p       | Output           | 285μ       | 5              | 16             | -            |
| AD8647    | 24 MHz Rail-to-Rail Dual Amplifier with Low Power Shutdown function         | PRODUCTION        | 2         | 24M     | -               | 11               | 2.5m    | 6n                    | 1p        | Both             | 2m         | 2.7            | 5.5            | -            |
| AD8014    | 400 MHz, Low Power, High Performance Amplifier                              | PRODUCTION        | 1         | -       | 480M            | 4.6k             | 5m      | 3.5n                  | 15μ       | -                | 1.15m      | 4.5            | 12             | Op Amp       |
| AD8646    | 24 MHz Rail-to-Rail Dual Op Amp                                             | PRODUCTION        | 2         | 24M     | -               | 11               | 2.5m    | 6n                    | 1p        | Both             | 2m         | 2.7            | 5.5            | -            |
| AD8648    | 24 MHz Rail-to-Rail Quad Amplifier                                          | PRODUCTION        | 4         | 24M     | -               | 11               | 2.5m    | 6n                    | 1p        | Both             | 2m         | 2.7            | 5.5            | -            |
| ADA4853-1 | Low Power, Rail-to-Rail Output, Video Op Amps with Ultralow Power           | PRODUCTION        | 1         | 70M     | 100M            | 120              | 4.1m    | 22n                   | 1.7μ      | In to V-, Output | 1.4m       | 2.65           | 5              | Shutdown     |
| ADA4853-2 | Low Power, Rail-to-Rail Output, Video Op Amp with Ultralow Power            | PRODUCTION        | 2         | 70M     | 100M            | 120              | 4.1m    | 22n                   | 1.7μ      | In to V-, Output | 1.4m       | 2.65           | 5              | Shutdown     |

|                  | Description                                                                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|------------------|-----------------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>ADA4853-3</b> | Low Power, Rail-to-Rail Output, Video Op Amp with Ultralow Power                                    | PRODUCTION        | 3         | 70M                | 100M                       | 120                      | 4.1m                           | 22n                                          | 1.7μ                             | In to V-, Output | 1.4m                               | 2.65                                  | 5                                     | Shutdown     |
| <b>AD8510</b>    | Precision, Very Low Noise, Low Input Bias Current, Wide Bandwidth JFET Single Operational Amplifier | PRODUCTION        | 1         | 8M                 | -                          | 20                       | 400μ                           | 7.6n                                         | 80p                              | -                | 2.5m                               | 9                                     | 30                                    | -            |
| <b>AD8512</b>    | Precision, Very Low Noise, Low Input Bias Current, Wide Bandwidth JFET Dual Operational Amplifier   | PRODUCTION        | 2         | 8M                 | -                          | 20                       | 400μ                           | 7.6n                                         | 80p                              | -                | 2.5m                               | 9                                     | 30                                    | -            |
| <b>AD8513</b>    | Precision, Very Low Noise, Low Input Bias Current, Wide Bandwidth JFET Quad Operational Amplifier   | PRODUCTION        | 4         | 8M                 | -                          | 20                       | 400μ                           | 7.6n                                         | 80p                              | -                | 2.5m                               | 9                                     | 30                                    | -            |
| <b>OP281</b>     | Ultralow Power, Rail-to-Rail Output Operational Amplifier (Dual)                                    | PRODUCTION        | 2         | 105k               | -                          | 28m                      | 1.5m                           | 75n                                          | 10n                              | Output           | 5μ                                 | 2.7                                   | 12                                    | -            |
| <b>OP481</b>     | Ultralow Power, Rail-to-Rail Output Operational Amplifier (Quad)                                    | PRODUCTION        | 4         | 105k               | -                          | 28m                      | 1.5m                           | 85n                                          | 10n                              | Output           | 5μ                                 | 2.7                                   | 12                                    | -            |

|                | Description                                                       | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|-------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>AD8605</b>  | Precision, Low Noise, CMOS, RRIO Op Amp (single)                  | PRODUCTION                  | 1         | 10M                | -                          | 5                        | 65μ                            | 6.5n                                         | 1p                               | Both         | 1.2m                               | 2.7                                   | 5                                     | -            |
| <b>AD8606</b>  | Precision, Low Noise, RRIO, CMOS Op Amp (Dual)                    | PRODUCTION                  | 2         | 10M                | -                          | 5                        | 65μ                            | 6.5n                                         | 1p                               | Both         | 1.2m                               | 2.7                                   | 5                                     | -            |
| <b>AD8608</b>  | Low Noise, CMOS, Rail-to-Rail, Input/Output Precision Quad Op Amp | PRODUCTION                  | 4         | 10M                | -                          | 5                        | 75μ                            | 6.5n                                         | 1p                               | Both         | 1.2m                               | 2.7                                   | 5                                     | -            |
| <b>AD8565</b>  | 16 V Rail-to-Rail Operational Amplifier (Single)                  | PRODUCTION                  | 1         | 5M                 | -                          | 6                        | 10m                            | 25n                                          | 600n                             | Both         | 850μ                               | 4                                     | 17                                    | LCD Driver   |
| <b>AD8566</b>  | 16 V Rail-to-Rail Operational Amplifier (Dual)                    | PRODUCTION                  | 2         | 5M                 | -                          | 6                        | 10m                            | 25n                                          | 600n                             | Both         | 850μ                               | 4                                     | 17                                    | LCD Driver   |
| <b>AD8567</b>  | 16 V Rail-to-Rail Operational Amplifier (Quad)                    | PRODUCTION                  | 4         | 5M                 | -                          | 6                        | 10m                            | 25n                                          | 600n                             | Both         | 850μ                               | 4                                     | 17                                    | LCD Driver   |
| <b>AD8614</b>  | 18 V Operational Amplifier (Single)                               | PRODUCTION                  | 1         | 5.5M               | -                          | 7.5                      | 2.5m                           | 11n                                          | 400n                             | Both         | 1.1m                               | 4.5                                   | 18.5                                  | LCD Driver   |
| <b>AD8644</b>  | 18 V Operational Amplifier (Quad)                                 | PRODUCTION                  | 4         | 5.5M               | -                          | 7.5                      | 2.5m                           | 12n                                          | 400n                             | Both         | 1.1m                               | 5                                     | 18.5                                  | LCD Driver   |
| <b>LTC6087</b> | Dual 14MHz, Rail-to-Rail CMOS Amplifiers                          | RECOMMENDED FOR NEW DESIGNS | 2         | 14M                | -                          | 7.2                      | 750μ                           | 12n                                          | 40p                              | Both         | 1.05m                              | 2.7                                   | 5.5                                   | Shutdown     |
| <b>LTC6088</b> | Quad 14MHz, Rail-to-Rail CMOS Amplifiers                          | RECOMMENDED FOR NEW DESIGNS | 4         | 14M                | -                          | 7.2                      | 750μ                           | 12n                                          | 40p                              | Both         | 1.05m                              | 2.7                                   | 5.5                                   | -            |

|                  | Description                                                          | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|------------------|----------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| <b>ADA4311-1</b> | Low Cost, Dual, High Current Output Line Driver with Shutdown        | PRODUCTION                  | 2         | -                  | 310M                       | 1.05k                    | 3m                             | 2.4n                                         | 16μ                              | -                | 11.8m                              | 12                                    | 12                                    | CAT-5 Driver    |
| <b>ADA4004-1</b> | 1.8 nV/√Hz, 36 V, Precision Single Op Amp                            | PRODUCTION                  | 1         | 12M                | -                          | 2.7                      | 125μ                           | 1.8n                                         | 90n                              | -                | 2.2m                               | 10                                    | 30                                    | -               |
| <b>ADA4851-1</b> | Low Cost, High Speed, Rail-to-Rail, Output Op Amp (Single)           | PRODUCTION                  | 1         | -                  | 130M                       | 190                      | 3.5m                           | 10n                                          | 4μ                               | In to V-, Output | 2.9m                               | 2.7                                   | 12                                    | General Purpose |
| <b>ADA4851-2</b> | Low Cost, High Speed, Rail-to-Rail, Output Op Amp (Dual)             | PRODUCTION                  | 2         | -                  | 105M                       | 190                      | 3.5m                           | 10n                                          | 4μ                               | In to V-, Output | 2.9m                               | 2.7                                   | 12                                    | General Purpose |
| <b>ADA4851-4</b> | Low Cost, High Speed, Rail-to-Rail, Output Op Amp (Quad)             | PRODUCTION                  | 4         | 130M               | 130M                       | 190                      | 3.5m                           | 10n                                          | 4μ                               | In to V-, Output | 2.9m                               | 2.7                                   | 12                                    | General Purpose |
| <b>LTC6081</b>   | Precision Dual CMOS Rail-to-Rail Input/Output Amplifiers             | RECOMMENDED FOR NEW DESIGNS | 2         | 3.6M               | -                          | 1                        | 70μ                            | 13n                                          | 1p                               | Both             | 330μ                               | 2.7                                   | 5.5                                   | Shutdown        |
| <b>LTC6082</b>   | Precision Quad CMOS Rail-to-Rail Input/Output Amplifiers             | PRODUCTION                  | 4         | 3.6M               | -                          | 1                        | 70μ                            | 13n                                          | 1p                               | Both             | 330μ                               | 2.7                                   | 5.5                                   | -               |
| <b>AD8515</b>    | 1.8 V Low Power CMOS Rail-to-Rail Input/Output Operational Amplifier | PRODUCTION                  | 1         | 5M                 | -                          | 2.7                      | 6m                             | 20n                                          | 30p                              | Both             | 500μ                               | 1.8                                   | 5                                     | -               |



|                  | Description                                                                       | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|------------------|-----------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| <b>AD549</b>     | Ultralow Input-Bias Current Operational Amplifier                                 | PRODUCTION        | 1         | 1M                 | 1M                         | 3                        | 500μ                           | 35n                              | 60f                              | -                | 700μ                               | 10                                    | 36                                    | -               |
| <b>AD8682</b>    | Dual Low Power, High Speed JFET Operational Amplifier                             | PRODUCTION        | 2         | 3.5M               | -                          | 9                        | 1m                             | 36n                              | 20p                              | In to V+         | 210μ                               | 9                                     | 36                                    | -               |
| <b>AD8684</b>    | Quad Low Power, High Speed JFET Operational Amplifiers                            | PRODUCTION        | 4         | 3.5M               | -                          | 9                        | 1m                             | 36n                              | 20p                              | In to V+         | 210μ                               | 9                                     | 36                                    | -               |
| <b>ADA4899-1</b> | Unity-Gain Stable, Ultralow Distortion, 1 nV/√Hz Voltage Noise, High Speed Op Amp | PRODUCTION        | 1         | 280M               | 600M                       | 310                      | 0.23m                          | 1n                               | 1μ                               | -                | 14.7m                              | 4.5                                   | 12                                    | -               |
| <b>AD8691</b>    | Low Noise, Low Cost Single, CMOS Rail-to-Rail Output Operational Amplifier        | PRODUCTION        | 1         | 10M                | -                          | 5                        | 2m                             | 6.5n                             | 1p                               | In to V-, Output | 1.05m                              | 2.7                                   | 5.5                                   | General Purpose |
| <b>AD8692</b>    | Low Cost, Low Noise, Dual CMOS Rail-to-Rail Output Operational Amplifier          | PRODUCTION        | 2         | 10M                | -                          | 5                        | 2m                             | 6.5n                             | 1p                               | In to V-, Output | 1.05m                              | 2.7                                   | 5.5                                   | General Purpose |
| <b>AD8694</b>    | Low Cost, Low Noise, CMOS Rail-to-Rail Output Quad Op Amp                         | PRODUCTION        | 4         | 10M                | -                          | 5                        | 2m                             | 6.5n                             | 1p                               | In to V-, Output | 1.05m                              | 2.7                                   | 5.5                                   | General Purpose |

|           | Description                                                  | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|-----------|--------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| AD8571    | Zero-Drift, Single-Supply, RRIO Single Op Amp                | PRODUCTION        | 1         | 1.5M               | -                          | 400m                     | 5μ                             | 51n                                          | 50p                              | Both             | 975μ                               | 2.7                                   | 5.5                                   | -            |
| AD8572    | Zero-Drift, Single-Supply, RRIO Dual Op Amp                  | PRODUCTION        | 2         | 1.5M               | -                          | 400m                     | 5μ                             | 51n                                          | 50p                              | Both             | 975μ                               | 2.7                                   | 5.5                                   | -            |
| AD8574    | Zero-Drift, Single-Supply, RRIO Quad Op Amp                  | PRODUCTION        | 4         | 1.5M               | -                          | 400m                     | 5μ                             | 51n                                          | 50p                              | Both             | 975μ                               | 2.7                                   | 5.5                                   | -            |
| OP249     | Precision JFET High Speed Dual Op Amp                        | PRODUCTION        | 2         | 4.7M               | -                          | 22                       | 750μ                           | 16n                                          | 75p                              | -                | 3.5m                               | 9                                     | 36                                    | -            |
| ADA4000-1 | Single, Low Cost, Precision JFET Input Operational Amplifier | PRODUCTION        | 1         | 5M                 | -                          | 20                       | 1.7m                           | 16n                                          | 40p                              | In to V+         | 1.65m                              | 8                                     | 36                                    | -            |
| ADA4000-2 | Dual, Low Cost, Precision JFET Input Operational Amplifier   | PRODUCTION        | 2         | 5M                 | -                          | 20                       | 1.7m                           | 16n                                          | 40p                              | In to V+         | 1.65m                              | 8                                     | 36                                    | -            |
| ADA4000-4 | Quad, Low Cost, Precision JFET Input Operational Amplifier   | PRODUCTION        | 4         | 5M                 | -                          | 20                       | 1.7m                           | 16n                                          | 40p                              | In to V+         | 1.65m                              | 8                                     | 36                                    | -            |
| AD8519    | 8 MHz Rail-to-Rail Operational Amplifier                     | PRODUCTION        | 1         | 8M                 | -                          | 2.9                      | 1m                             | 10n                                          | 300n                             | In to V-, Output | 1.2m                               | 2.7                                   | 12                                    | LCD Driver   |
| AD8529    | 8 MHz Rail-to-Rail Operational Amplifier                     | PRODUCTION        | 2         | 8M                 | -                          | 2.9                      | 1m                             | 10n                                          | 300n                             | In to V-, Output | 1.2m                               | 2.7                                   | 12                                    | LCD Driver   |

|                | Description                                             | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|----------------|---------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| <b>AD8538</b>  | Low Power, Precision, Auto-Zero Op Amp (5-lead TSOT-23) | PRODUCTION        | 1         | 430k               | -                          | 400m                     | 13μ                            | 50n                                          | 25p                              | Both         | 180μ                               | 2.7                                   | 5                                     | General Purpose |
| <b>AD8539</b>  | Low Power, Precision, Auto-Zero Op Amp                  | PRODUCTION        | 2         | 430k               | -                          | 400m                     | 15μ                            | 52n                                          | 60p                              | Both         | 210μ                               | 2.7                                   | 5                                     | General Purpose |
| <b>OP467</b>   | Quad Precision, High Speed Operational Amplifier        | PRODUCTION        | 4         | 28M                | -                          | 170                      | 500μ                           | 6n                                           | 600n                             | -            | 8m                                 | 9                                     | 36                                    | -               |
| <b>ADTL082</b> | Low Cost JFET Input Dual Operational Amplifier          | PRODUCTION        | 2         | 5M                 | -                          | 20                       | 5.5m                           | 16n                                          | 100p                             | In to V+     | 1.2m                               | 8                                     | 36                                    | General Purpose |
| <b>ADTL084</b> | Low Cost JFET Input Operational Amplifier               | PRODUCTION        | 4         | 5M                 | -                          | 20                       | 5.5m                           | 16n                                          | 100p                             | In to V+     | 1.2m                               | 8                                     | 36                                    | General Purpose |
| <b>AD8675</b>  | 36 V Precision, 2.8 nV/√Hz Rail-to-Rail Output Op Amp   | PRODUCTION        | 1         | 10M                | -                          | 2.5                      | 75μ                            | 2.8n                                         | 2n                               | Output       | 2.9m                               | 10                                    | 30                                    | -               |
| <b>AD8599</b>  | Ultralow Distortion, Ultralow Noise Op Amp (Dual)       | PRODUCTION        | 2         | 10M                | -                          | 16                       | 120μ                           | 1.07n                                        | 200n                             | -            | 5.7m                               | 9                                     | 36                                    | -               |
| <b>AD8551</b>  | Zero-Drift, Single-Supply, RRIO Single Op Amp           | PRODUCTION        | 1         | 1.5M               | -                          | 400m                     | 5μ                             | 42n                                          | 50p                              | Both         | 975μ                               | 2.7                                   | 5                                     | -               |
| <b>AD8552</b>  | Zero-Drift, Single-Supply, RRIO Dual Op Amp             | PRODUCTION        | 2         | 1.5M               | -                          | 400m                     | 5μ                             | 42n                                          | 50p                              | Both         | 975μ                               | 2.7                                   | 5                                     | -               |

|        | Description                                                       | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|--------|-------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| AD8554 | Zero-Drift, Single-Supply, RRIO Quad Op Amp                       | PRODUCTION        | 4         | 1.5M               | -                          | 400m                     | 5μ                             | 42n                              | 50p                              | Both             | 975μ                               | 2.7                                   | 5                                     | -            |
| OP113  | Low Noise, Low Drift Single-Supply Operational Amplifier (Single) | PRODUCTION        | 1         | 3.4M               | -                          | 1.2                      | 75μ                            | 4.7n                             | 600n                             | In to V-         | 3m                                 | 4                                     | 36                                    | -            |
| OP213  | Low Noise, Low Drift Single-Supply Operational Amplifiers (Dual)  | PRODUCTION        | 2         | 3.4M               | -                          | 1.2                      | 100μ                           | 4.7n                             | 600n                             | In to V-         | 3m                                 | 4                                     | 36                                    | -            |
| OP413  | Low Noise, Low Drift Single-Supply Operational Amplifier (Quad)   | PRODUCTION        | 4         | 3.4M               | -                          | 1.2                      | 125μ                           | 4.7n                             | 600n                             | In to V-         | 3m                                 | 4                                     | 36                                    | -            |
| AD8532 | 250 mA Output, Dual Low Cost, Single-Supply Op Amp                | PRODUCTION        | 2         | 3M                 | 350k                       | 5                        | 25m                            | 30n                              | 50p                              | Both             | 750μ                               | 2.7                                   | 6                                     | LCD Driver   |
| AD823  | 16 MHz, Rail-to-Rail FET Input Dual Amplifier                     | PRODUCTION        | 2         | 10M                | 16M                        | 25                       | 3.5m                           | 16n                              | 30p                              | In to V-, Output | 5.2m                               | 3                                     | 36                                    | -            |
| AD8502 | 1 μA Micropower CMOS Operational Amplifier                        | PRODUCTION        | 2         | 7k                 | -                          | 4m                       | 3m                             | 190n                             | 10p                              | Both             | 750n                               | 1.8                                   | 5                                     | -            |
| AD8504 | 1 μA Micropower CMOS Operational Amplifier                        | PRODUCTION        | 4         | 7k                 | -                          | 4m                       | 3m                             | 190n                             | 10p                              | Both             | 750n                               | 1.8                                   | 5                                     | -            |

|           | Description                                               | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|-----------|-----------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| ADA4004-2 | 1.8nV/√Hz, 36 V Precision Dual Amplifier                  | PRODUCTION                      | 2         | 12M                | -                          | 2.7                      | 125μ                           | 1.8n                                         | 90n                              | -                | 2.2m                               | 10                                    | 30                                    | -               |
| AD820     | Single-Supply, Rail-to-Rail, Low Power FET-Input Op Amp   | PRODUCTION                      | 1         | 1.8M               | -                          | 3                        | 1m                             | 13n                                          | 10p                              | In to V-, Output | 900μ                               | 5                                     | 30                                    | -               |
| OP400     | Low Offset, Low Power Quad Op Amp                         | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 500k               | 500k                       | 150m                     | 150μ                           | 11n                                          | 3n                               | -                | 600μ                               | 6                                     | 40                                    | Op Amp          |
| AD8541    | CMOS Rail-to-Rail General-Purpose Amplifiers              | PRODUCTION                      | 1         | 1M                 | -                          | 920m                     | 6m                             | 38n                                          | 60p                              | Both             | 65μ                                | 2.5                                   | 5                                     | General Purpose |
| AD8542    | CMOS Rail-to-Rail General-Purpose Amplifiers              | PRODUCTION                      | 2         | 1M                 | -                          | 920m                     | 6m                             | 38n                                          | 60p                              | Both             | 65μ                                | 2.5                                   | 5                                     | General Purpose |
| AD8544    | CMOS Rail-to-Rail General-Purpose Amplifiers              | PRODUCTION                      | 4         | 1M                 | -                          | 920m                     | 6m                             | 38n                                          | 60p                              | Both             | 65μ                                | 2.5                                   | 5                                     | General Purpose |
| LTC6240   | Single 18MHz, Low Noise, Rail-to-Rail Output, CMOS Op Amp | RECOMMENDED FOR NEW DESIGNS     | 1         | 18M                | -                          | 10                       | 175μ                           | 7n                                           | 1p                               | In to V-, Output | 2m                                 | 2.8                                   | 6                                     | -               |
| LTC6240HV | Single 18MHz, Low Noise, Rail-to-Rail Output, CMOS Op Amp | RECOMMENDED FOR NEW DESIGNS     | 1         | 18M                | -                          | 10                       | 175μ                           | 7n                                           | 1p                               | In to V-, Output | 2m                                 | 2.8                                   | 12                                    | -               |

|                  | Description                                                                       | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features              |
|------------------|-----------------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------------|
| <b>ADA4310-1</b> | Low Cost, Dual, High Current Output Line Driver with Shutdown                     | PRODUCTION                      | 2         | -                  | 190M                       | 820                      | -                              | 2.85n                                        | -                                | -                | 7.6m                               | 5                                     | 12                                    | CAT-5 Driver              |
| <b>AD8066</b>    | High Performance, 145 MHz FastFET™ Op Amp                                         | PRODUCTION                      | 2         | 145M               | 120M                       | 180                      | 1.5m                           | 7n                                           | 6p                               | In to V-, Output | 7.4m                               | 5                                     | 24                                    | FET Input                 |
| <b>OP177</b>     | Ultraprecision Operational Amplifier                                              | PRODUCTION                      | 1         | 600k               | 600k                       | 300m                     | 25μ                            | 10n                                          | 2n                               | -                | 1.6m                               | 6                                     | 44                                    | Op Amp                    |
| <b>AD8392A</b>   | Low Power, High Output Current, Quad Op Amp, Dual-Channel ADSL/ADSL2+ Line Driver | PRODUCTION                      | 4         | -                  | 37M                        | 515                      | 4m                             | 2.5n                                         | 7μ                               | -                | 5.8m                               | 10                                    | 24                                    | Line Drivers              |
| <b>AD8676</b>    | Ultra Precision, 36 V, 2.8 nV/√Hz Dual RRO Op Amp                                 | PRODUCTION                      | 2         | 10M                | -                          | 2.5                      | 50μ                            | 2.8n                                         | 2n                               | Output           | 2.9m                               | 10                                    | 30                                    | -                         |
| <b>AD8005</b>    | 270 MHz, 400μA Current Feedback Amplifier                                         | PRODUCTION                      | 1         | -                  | 270M                       | 1.5k                     | 30m                            | 4n                                           | 10μ                              | -                | 400μ                               | 8                                     | 12                                    | Sensor Signal Conditioner |
| <b>AD711</b>     | Precision, Low Cost, High Speed, BiFET Op Amp                                     | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 4M                 | 4M                         | 20                       | 1m                             | 16n                                          | 50p                              | -                | 2.8m                               | 9                                     | 36                                    | -                         |
| <b>AD8010</b>    | Low Power, High Current Distribution Amplifier                                    | PRODUCTION                      | 1         | -                  | 230M                       | 800                      | 12m                            | 2n                                           | 135μ                             | -                | 15.5m                              | 9                                     | 12                                    | Op Amp                    |

|        | Description                                                                              | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|--------|------------------------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| AD8074 | 500 MHz, G=+1 and +2 Triple Video Buffers with Disable                                   | PRODUCTION                      | 3         | 600M               | 600M                       | 1.6k                     | 27m                            | 19.5n                                        | 9.5μ                             | -            | 24m                                | 9                                     | 11                                    | Shutdown        |
| AD8075 | 500 MHz, G=+1 and +2 Triple Video Buffers with Disable                                   | PRODUCTION                      | 3         | 550M               | 550M                       | 1.35k                    | 40m                            | 22n                                          | 10μ                              | -            | 24m                                | 9                                     | 11                                    | Shutdown        |
| AD8032 | 2.7 V, 800 μA, 80 MHz Rail-to-Rail I/O Dual Amplifier                                    | PRODUCTION                      | 2         | 50M                | 80M                        | 35                       | 1.5m                           | 15n                                          | 2μ                               | Both         | 900μ                               | 2.7                                   | 12                                    | General Purpose |
| LT6557 | 500MHz, 2200V/μs Gain of 2, Single Supply Triple Video Amplifier with Input Bias Control | NOT RECOMMENDED FOR NEW DESIGNS | 3         | 500M               | 500M                       | 2.2k                     | 40m                            | 12n                                          | -                                | -            | 22.5m                              | 3                                     | 7.5                                   | Shutdown        |
| LT6559 | Low Cost 5V/±5V 300MHz Triple Video Amplifier in 3mm x 3mm QFN                           | RECOMMENDED FOR NEW DESIGNS     | 3         | -                  | 300M                       | 500                      | 10m                            | 4.5n                                         | -                                | -            | 3.9m                               | 4                                     | 12                                    | Shutdown        |
| LT6003 | 1.6V, 1μA Precision Rail-to-Rail Input and Output Op Amp                                 | RECOMMENDED FOR NEW DESIGNS     | 1         | 2k                 | -                          | 800μ                     | 500μ                           | 325n                                         | 90p                              | Both         | 850n                               | 1.6                                   | 16                                    | -               |
| LT6004 | Dual 1.6V, 1μA Precision Rail-to-Rail Input and Output Op Amp                            | RECOMMENDED FOR NEW DESIGNS     | 2         | 2k                 | -                          | 800μ                     | 500μ                           | 325n                                         | 90p                              | Both         | 850n                               | 1.6                                   | 16                                    | -               |
| LT6005 | Quad 1.6V, 1μA Precision Rail-to-Rail Input and Output Op Amp                            | RECOMMENDED FOR NEW DESIGNS     | 4         | 2k                 | -                          | 800μ                     | 650μ                           | 325n                                         | 90p                              | Both         | 850n                               | 1.6                                   | 16                                    | -               |

|           | Description                                                   | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                   |
|-----------|---------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------|
| AD817     | High Speed, Low Power Wide Supply Range Amplifier             | PRODUCTION                  | 1         | 50M                | 50M                        | 350                      | 2m                             | 15n                              | 6.6μ                             | -                | 7m                                 | 5                                     | 36                                    | C-Load Stable, General Purpose |
| AD8031    | 2.7 V, 800 μA, 80 MHz Rail-to-Rail I/O Single Amplifier       | PRODUCTION                  | 1         | 50M                | 80M                        | 35                       | 1.5m                           | 15n                              | 2μ                               | Both             | 900μ                               | 2.7                                   | 12                                    | General Purpose                |
| LTC6244   | Dual 50MHz, Low Noise, Rail-to-Rail, CMOS Op Amp              | RECOMMENDED FOR NEW DESIGNS | 2         | 50M                | -                          | 35                       | 100μ                           | 8n                               | 75p                              | In to V-, Output | 6.25m                              | 2.8                                   | 6                                     | -                              |
| LTC6244HV | Dual 50MHz, Low Noise, Rail-to-Rail, CMOS Op Amp              | RECOMMENDED FOR NEW DESIGNS | 2         | 50M                | -                          | 35                       | 100μ                           | 8n                               | 75p                              | In to V-, Output | 6.25m                              | 2.8                                   | 12                                    | -                              |
| LT6411    | 650MHz Differential ADC Driver/Dual Selectable Gain Amplifier | RECOMMENDED FOR NEW DESIGNS | 2         | 650M               | 650M                       | 3.3k                     | 10m                            | 8n                               | -                                | -                | 16m                                | 4.5                                   | 12.6                                  | Shutdown                       |
| AD8664    | 16 V Precision, CMOS Rail-to-Rail Quad Op Amp                 | PRODUCTION                  | 4         | 4M                 | -                          | 3.5                      | 160μ                           | 10n                              | 1p                               | In to V-, Output | 1.55m                              | 5                                     | 16                                    | -                              |
| AD8651    | 50 MHz, Precision, Low Distortion, Low Noise CMOS Op Amp      | PRODUCTION                  | 1         | 50M                | 50M                        | 41                       | 350μ                           | 4.5n                             | 10p                              | Both             | 9m                                 | 2.7                                   | 5.5                                   | -                              |
| AD8652    | 50 MHz, Precision Low Distortion, Low Noise CMOS Dual Op Amp  | PRODUCTION                  | 2         | 50M                | 50M                        | 41                       | 300μ                           | 4.5n                             | 10p                              | Both             | 9m                                 | 2.7                                   | 5.5                                   | -                              |



|               | Description                                                                              | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features             |
|---------------|------------------------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------|
| <b>AD8661</b> | 16V High Performance CMOS R/R Op Amp                                                     | PRODUCTION                      | 1         | 4M                 | -                          | 3.5                      | 160μ                           | 10n                              | 1p                               | In to V-, Output | 1.4m                               | 5                                     | 16                                    | -                        |
| <b>AD8662</b> | Low Noise, Precision 16 V CMOS, R/R Op Amp                                               | PRODUCTION                      | 2         | 4M                 | -                          | 3.5                      | 160μ                           | 10n                              | 1p                               | In to V-, Output | 1.4m                               | 5                                     | 16                                    | -                        |
| <b>LT6558</b> | 550MHz, 2200V/μs Gain of 1, Single Supply Triple Video Amplifier with Input Bias Control | RECOMMENDED FOR NEW DESIGNS     | 3         | -                  | 550M                       | 2.2k                     | 45m                            | 11n                              | -                                | -                | 22.5m                              | 3                                     | 7.5                                   | -                        |
| <b>AD822</b>  | Single-Supply, Rail-to-Rail Low Power FET-Input Dual Op Amp                              | PRODUCTION                      | 2         | 1.8M               | 1.9M                       | 3                        | 1.5m                           | 13n                              | 12p                              | In to V-, Output | 900μ                               | 5                                     | 30                                    | -                        |
| <b>LT6000</b> | Single 1.8V, 13μA Precision Rail-to-Rail Op Amp                                          | RECOMMENDED FOR NEW DESIGNS     | 1         | 50k                | -                          | 15m                      | 750μ                           | 75n                              | 5n                               | Both             | 13μ                                | 1.8                                   | 18                                    | Shutdown                 |
| <b>OP07</b>   | Ultralow Offset Voltage Op Amp                                                           | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 600k               | -                          | 300m                     | 75μ                            | 9.6n                             | 4n                               | -                | 4m                                 | 6                                     | 36                                    | -                        |
| <b>AD8021</b> | Low Noise, High Speed Amplifier for 16-Bit Systems                                       | PRODUCTION                      | 1         | 1G                 | 560M                       | 130                      | 1m                             | 2.1n                             | 10.5μ                            | -                | 7.8m                               | 5                                     | 24                                    | Shutdown                 |
| <b>AD8051</b> | Low Cost, High Speed, Single, Rail-to-Rail Amplifier                                     | PRODUCTION                      | 1         | 55M                | 110M                       | 170                      | 10m                            | 16n                              | 2.5μ                             | In to V-, Output | 4.8m                               | 3                                     | 12                                    | Op Amp, Video Amplifiers |

|           | Description                                            | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                             |
|-----------|--------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------|
| AD8052    | Low Cost, High Speed, Rail-to-Rail Amplifier           | PRODUCTION        | 2         | 55M                | 110M                       | 170                      | 10m                            | 16n                              | 2.5μ                             | In to V-, Output | 4.8m                               | 3                                     | 12                                    | Video Amplifiers                         |
| AD8054    | Low Cost, High Speed, Rail-to-Rail Amplifier           | PRODUCTION        | 4         | 90M                | 160M                       | 145                      | 12m                            | 16n                              | 4.5μ                             | In to V-, Output | 3.4m                               | 3                                     | 12                                    | Video Amplifiers                         |
| AD8067    | High Gain Bandwidth Product, Precision FastFET™ Op Amp | PRODUCTION        | 1         | 200M               | 54M                        | 640                      | 1m                             | 6.6n                             | 5p                               | In to V-, Output | 7m                                 | 5                                     | 24                                    | FET Input                                |
| AD8055    | Low Cost, Single, 300 MHz Voltage Feedback Amplifier   | PRODUCTION        | 1         | 300M               | 300M                       | 1.4k                     | 5m                             | 6n                               | 1.2μ                             | -                | 6.5m                               | 8                                     | 12                                    | Video Amplifiers                         |
| AD8056    | Low Cost, Dual, 300 MHz Voltage Feedback Amplifier     | PRODUCTION        | 2         | 300M               | 300M                       | 1.4k                     | 5m                             | 6n                               | 1.2μ                             | -                | 6m                                 | 8                                     | 12                                    | Video Amplifiers                         |
| AD8003    | Triple, 1.5 GHz Op Amp                                 | PRODUCTION        | 3         | -                  | 1.65G                      | 3.8k                     | 9.3m                           | 1.8n                             | 50μ                              | -                | 9.5m                               | 4.5                                   | 10                                    | Op Amp                                   |
| AD8042    | Dual 160 MHz Rail-to-Rail Amplifier                    | PRODUCTION        | 2         | 90M                | 170M                       | 225                      | 9.8m                           | 15n                              | 3.2μ                             | Output           | 6m                                 | 3                                     | 12                                    | Rail-to-Rail Inputs, Rail-to-Rail Output |
| OP295     | Rail-to-Rail Dual Op Amp                               | PRODUCTION        | 2         | 85k                | -                          | 30m                      | 500μ                           | 45n                              | 20n                              | Output           | 175μ                               | 3                                     | 36                                    | -                                        |
| OP495     | Rail-to-Rail Quad Operational Amplifier                | PRODUCTION        | 4         | 85k                | -                          | 30m                      | 500μ                           | 45n                              | 20n                              | Output           | 175μ                               | 3                                     | 36                                    | -                                        |
| ADA4860-1 | High Speed, Low Cost, Op Amp                           | PRODUCTION        | 1         | -                  | 800M                       | 790                      | 13m                            | 4n                               | 10μ                              | -                | 6m                                 | 5                                     | 12                                    | Shutdown                                 |

|                  | Description                                                                       | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|------------------|-----------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>AD8500</b>    | Micropower Precision CMOS Operational Amplifier                                   | PRODUCTION        | 1         | 7k                 | -                          | 4m                       | 1m                             | 190n                                         | 10p                              | Both             | 750n                               | 1.8                                   | 5                                     | -                |
| <b>AD8677</b>    | 130µV Max Offset voltage Op Amp in TSOT23                                         | PRODUCTION        | 1         | 600k               | -                          | 200m                     | 130µ                           | 10n                                          | 1n                               | -                | 1.3m                               | 8                                     | 36                                    | -                |
| <b>AD8024</b>    | Quad 350 MHz 24 V Amplifier                                                       | PRODUCTION        | 4         | -                  | 200M                       | 390                      | 5m                             | 3n                                           | 7.5µ                             | -                | 17m                                | 5                                     | 24                                    | LCD Driver       |
| <b>AD8591</b>    | CMOS Single Supply RRIO Op Amp with ±250 mA Output Current and Shutdown Mode      | PRODUCTION        | 1         | 3M                 | 325k                       | 5                        | 25m                            | 30n                                          | 50p                              | Both             | -                                  | 2.5                                   | 6                                     | Op Amp, Shutdown |
| <b>AD8592</b>    | CMOS Single Supply RRIO Dual Op Amp with ±250 mA Output Current and Shutdown Mode | PRODUCTION        | 2         | 3M                 | 325k                       | 5                        | 25m                            | 30n                                          | 50p                              | Both             | -                                  | 2.5                                   | 6                                     | Op Amp, Shutdown |
| <b>ADA4841-1</b> | Low Power, Low Noise and Distortion, Rail-to-Rail Output Amplifier                | PRODUCTION        | 1         | 45M                | 80M                        | 13                       | 300µ                           | 2.1n                                         | 5.3µ                             | In to V-, Output | 1.2m                               | 2.7                                   | 12                                    | -                |
| <b>ADA4841-2</b> | Low Power, Low Noise and Distortion, Rail-to-Rail Output Amplifier                | PRODUCTION        | 2         | 45M                | 80M                        | 13                       | 300µ                           | 2.1n                                         | 5.3µ                             | In to V-, Output | 1.2m                               | 2.7                                   | 12                                    | -                |

|        | Description                                                   | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|--------|---------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| OP184  | Single-Supply Rail-to-Rail Input/Output Operational Amplifier | PRODUCTION        | 1         | 4.25M              | -                          | 4                        | 100μ                           | 3.9n                                         | 450n                             | Both             | 2m                                 | 3                                     | 36                                    | -               |
| OP284  | Precision RRIO Dual Op Amp                                    | PRODUCTION        | 2         | 4.25M              | -                          | 4                        | 100μ                           | 3.9n                                         | 450n                             | Both             | 2m                                 | 2                                     | 36                                    | -               |
| OP484  | Precision Rail-to-Rail Input & Output Operational Amplifier   | PRODUCTION        | 4         | 4.25M              | -                          | 4                        | 100μ                           | 3.9n                                         | 450n                             | Both             | -                                  | 3                                     | 36                                    | -               |
| OP297  | Low Bias Current Precision (Dual) Operational Amplifier       | PRODUCTION        | 2         | 500k               | 500k                       | 150m                     | 50μ                            | 17n                                          | 100p                             | -                | 525μ                               | 4                                     | 40                                    | Op Amp          |
| AD8065 | High Performance, 145 MHz FastFET™ Op Amps                    | PRODUCTION        | 1         | 145M               | 145M                       | 180                      | 1.5m                           | 7n                                           | 6p                               | In to V-, Output | 7.4m                               | 5                                     | 24                                    | FET Input       |
| AD8613 | Micropower, Low Noise, Low Cost CMOS RRIO Single Op Amp       | PRODUCTION        | 1         | 350k               | -                          | 100m                     | 2.2m                           | 22n                                          | 1p                               | Both             | 38μ                                | 1.8                                   | 5                                     | General Purpose |
| OP07D  | Ultralow Offset Voltage Operational Amplifier                 | PRODUCTION        | 1         | 600k               | -                          | 200m                     | 150μ                           | 10n                                          | 1n                               | -                | 1.1m                               | 8                                     | 36                                    | General Purpose |
| AD708  | Ultralow Offset Voltage Dual Op Amp                           | PRODUCTION        | 2         | 900k               | -                          | 300m                     | 30μ                            | 9.6n                                         | 1n                               | -                | 2.75m                              | 6                                     | 36                                    | -               |

|                  | Description                                                    | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features    |
|------------------|----------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------|
| <b>AD8617</b>    | Low Cost Micropower, Low Noise CMOS RRIO Dual Op Amp           | PRODUCTION                      | 2         | 400k               | -                          | 100m                     | 2.2m                           | 22n                                          | 1p                               | Both         | 38μ                                | 1.8                                   | 5                                     | General Purpose |
| <b>AD8619</b>    | Low Cost Micropower, Low Noise CMOS RRIO Quad Op Amp           | PRODUCTION                      | 4         | 400k               | -                          | 100m                     | 2.2m                           | 22n                                          | 1p                               | Both         | 38μ                                | 1.8                                   | 5                                     | General Purpose |
| <b>OP27</b>      | Low Noise, Precision Operational Amplifier                     | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 8M                 | -                          | 2.8                      | 25μ                            | 3n                                           | 40n                              | -            | 5.7m                               | 8                                     | 36                                    | -               |
| <b>ADA4861-3</b> | High Speed, Low Cost, Triple Op-Amp                            | PRODUCTION                      | 3         | -                  | 730M                       | 680                      | 13m                            | 3.2n                                         | 13μ                              | -            | 16.1m                              | 5                                     | 12                                    | Shutdown        |
| <b>AD8027</b>    | Low Distortion, High Speed Rail-to-Rail Input/Output Amplifier | PRODUCTION                      | 1         | 190M               | 190M                       | 100                      | 900μ                           | 4.3n                                         | 11μ                              | Both         | 6.5m                               | 2.7                                   | 12                                    | -               |
| <b>AD8028</b>    | Low Distortion, High Speed Rail-to-Rail Input/Output Amplifier | PRODUCTION                      | 2         | 190M               | 190M                       | 100                      | 900μ                           | 4.3n                                         | 11μ                              | Both         | 6.5m                               | 2.7                                   | 12                                    | -               |
| <b>LT6001</b>    | Dual 1.8V, 13μA Precision Rail-to-Rail Op Amp                  | PRODUCTION                      | 2         | 50k                | -                          | 15m                      | 600μ                           | 75n                                          | 5n                               | Both         | 13μ                                | 1.8                                   | 18                                    | Shutdown        |
| <b>LT6002</b>    | Quad 1.8V, 13μA Precision Rail-to-Rail Op Amp                  | PRODUCTION                      | 4         | 50k                | -                          | 15m                      | 750μ                           | 75n                                          | 5n                               | Both         | 13μ                                | 1.8                                   | 18                                    | -               |

|        | Description                                                                   | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                               |
|--------|-------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------|
| OP196  | Micropower, RRIO Single Op Amp                                                | PRODUCTION        | 1         | 450k               | -                          | 300m                     | 300μ                           | 26n                                          | 50n                              | Both         | 60μ                                | 3                                     | 12                                    | -                                          |
| OP285  | Dual 9 MHz Precision Operational Amplifier                                    | PRODUCTION        | 2         | 9M                 | -                          | 22                       | 250μ                           | 6n                                           | 350n                             | -            | 4m                                 | 9                                     | 44                                    | Op Amp                                     |
| OP296  | Micropower, RRIO Dual Op Amp                                                  | PRODUCTION        | 2         | 450k               | -                          | 300m                     | 300μ                           | 26n                                          | 50n                              | Both         | 60μ                                | 3                                     | 12                                    | -                                          |
| OP496  | Micropower, RRIO Quad Operational Amplifier                                   | PRODUCTION        | 4         | 450k               | -                          | 300m                     | 300μ                           | 26n                                          | 50n                              | Both         | 60μ                                | 3                                     | 12                                    | -                                          |
| OP293  | Precision, Micropower Dual Op Amp                                             | PRODUCTION        | 2         | 35k                | -                          | 15m                      | 250μ                           | 65n                                          | 20n                              | In to V-     | 30μ                                | 1.7                                   | 36                                    | -                                          |
| OP279  | Rail-to-Rail High Output Current Operational Amplifier                        | PRODUCTION        | 2         | 5M                 | -                          | 3                        | 4m                             | 22n                                          | 300n                             | Both         | 3.5m                               | 4.5                                   | 12                                    | General Purpose                            |
| LT1814 | Quad 3mA, 100MHz, 750V/μs Operational Amplifier                               | PRODUCTION        | 4         | 100M               | 200M                       | 750                      | 1.5m                           | 8n                                           | 4μ                               | -            | 3m                                 | 2.5                                   | 12.5                                  | Op Amp, Video Amplifiers                   |
| LT1817 | Quad 220MHz, 1500V/μs Operational Amplifiers with Programmable Supply Current | LAST TIME BUY     | 4         | 220M               | 350M                       | 1.5k                     | 1.5m                           | 6n                                           | 8μ                               | -            | 6.5m                               | 2.5                                   | 12.6                                  | Buffer Amplifier, Op Amp, Video Amplifiers |

|           | Description                                                          | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|-----------|----------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| OP193     | Precision, Micropower Single Operational Amplifier                   | PRODUCTION                      | 1         | 35k                | -                          | 15m                      | 150μ                           | 65n                              | 15n                              | In to V-     | 30μ                                | 1.7                                   | 36                                    | -            |
| RH1814M   | Quad 3mA, 100MHz, 750V/μs Operational Amplifier                      | PRODUCTION                      | 4         | 100M               | -                          | 750                      | 1.5m                           | 8n                               | -                                | -            | 3.6m                               | 2.5                                   | 12.6                                  | -            |
| ADA4862-3 | High Speed, G = +2, Low Cost, Triple Op Amp                          | PRODUCTION                      | 3         | -                  | 720M                       | 830                      | 25m                            | 10.6n                            | 1μ                               | -            | 16m                                | 5                                     | 12                                    | Shutdown     |
| LT6556    | 750MHz Gain of 1 Triple 2:1Video Multiplexer                         | PRODUCTION                      | 3         | 750M               | 750M                       | 2.1k                     | 67m                            | 11n                              | 45μ                              | -            | 9.5m                               | 4.5                                   | 12.6                                  | Shutdown     |
| LTC6078   | Micropower Precision, Dual CMOS Rail-to-Rail Input/Output Amplifiers | PRODUCTION                      | 2         | 750k               | -                          | 50m                      | 25μ                            | 18n                              | 1p                               | Both         | 54μ                                | 2.7                                   | 5.5                                   | Shutdown     |
| LTC6079   | Micropower Precision, Quad CMOS Rail-to-Rail Input/Output Amplifiers | PRODUCTION                      | 4         | 750k               | -                          | 50m                      | 25μ                            | 18n                              | 1p                               | Both         | 54μ                                | 2.7                                   | 5.5                                   | -            |
| OP42      | High Speed, Fast Settling Precision Operational Amplifier            | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 10M                | 900k                       | 58                       | 750μ                           | 12n                              | 250p                             | -            | 5.1m                               | 16                                    | 40                                    | Op Amp       |
| OP471     | High Speed, Low Noise Quad Operational Amplifier                     | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 6.5M               | -                          | 8                        | 800μ                           | 6.5n                             | 25n                              | -            | 2.3m                               | 9                                     | 36                                    | -            |

|       | Description                                                         | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew <sub>typ</sub><br>Rate | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                   |
|-------|---------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|-----------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------|
| OP490 | Low Voltage Micropower Quad Operational Amplifier                   | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 20k                | -                          | 12m                         | 1m                             | 60n                                          | 25n                              | In to V-     | 20μ                                | 3                                     | 36                                    | -                              |
| OP727 | Precision Rail-to-Rail Output Single Supply Dual Op Amp             | PRODUCTION                      | 2         | 700k               | -                          | 200m                        | 300μ                           | 15n                                          | 10n                              | Output       | 290μ                               | 3                                     | 30                                    | -                              |
| OP747 | Precision Rail-to-Rail Output Single Supply Quad Op Amp             | PRODUCTION                      | 4         | 700k               | -                          | 200m                        | 300μ                           | 15n                                          | 10n                              | Output       | 290μ                               | 3                                     | 30                                    | -                              |
| OP77  | Next Generation OP07, Ultralow Offset Voltage Operational Amplifier | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 600k               | 600k                       | 300m                        | 25μ                            | 9.6n                                         | 2n                               | -            | 2m                                 | 6                                     | 44                                    | Op Amp                         |
| OP777 | Precision Single Rail-to-Rail Output Single Supply Op Amp           | PRODUCTION                      | 1         | 700k               | -                          | 200m                        | 200μ                           | 15n                                          | 10n                              | Output       | 350μ                               | 3                                     | 30                                    | -                              |
| OP97  | Low Power, High Precision Operational Amplifier                     | PRODUCTION                      | 1         | 900k               | 900k                       | 200m                        | 25μ                            | 14n                                          | 100p                             | -            | 600μ                               | 4                                     | 40                                    | Op Amp                         |
| AD811 | High Performance Video Op Amp                                       | PRODUCTION                      | 1         | 140M               | 140M                       | 400                         | 3m                             | 1.9n                                         | 5μ                               | -            | 16.5m                              | 9                                     | 36                                    | Buffer Amplifier               |
| AD827 | High Speed, Low Power Dual Op Amp                                   | PRODUCTION                      | 2         | 50M                | 50M                        | 300                         | 2m                             | 15n                                          | 7μ                               | -            | 10.5m                              | 9                                     | 36                                    | C-Load Stable, General Purpose |



|                | Description                                                             | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|----------------|-------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>AD829</b>   | High Speed, Low Noise Video Op Amp                                      | PRODUCTION        | 1         | 750M               | 120M                       | 230                      | 500μ                           | 1.7n                                         | 7μ                               | -            | 5.3m                               | 9                                     | 36                                    | -                     |
| <b>AD8601</b>  | DigiTrim™ RRIO Single Op Amp with Very Low Offset Voltage               | PRODUCTION        | 1         | 8.4M               | -                          | 6                        | 500μ                           | 18n                                          | 60p                              | Both         | 750μ                               | 2.7                                   | 5.5                                   | -                     |
| <b>AD8602</b>  | DigiTrim™ R/R Input and Output Dual Op Amp with Very Low Offset Voltage | PRODUCTION        | 2         | 8.4M               | -                          | 6                        | 500μ                           | 18n                                          | 60p                              | Both         | 750μ                               | 2.7                                   | 5.5                                   | -                     |
| <b>AD8604</b>  | DigiTrim™ RRIO Quad Op Amp with Very Low Offset Voltage                 | PRODUCTION        | 4         | 8.4M               | -                          | 6                        | 600μ                           | 18n                                          | 60p                              | Both         | 750μ                               | 2.7                                   | 5.5                                   | -                     |
| <b>MAX9914</b> | 1MHz, 20μA, Rail-to-Rail I/O Op Amps with Shutdown                      | PRODUCTION        | 1         | 1M                 | 1M                         | 500m                     | 1m                             | 160n                                         | 10p                              | Both         | 20μ                                | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9915</b> | 1MHz, 20μA, Rail-to-Rail I/O Op Amps with Shutdown                      | PRODUCTION        | 1         | 1M                 | 1M                         | 500m                     | 1m                             | 160n                                         | 10p                              | Both         | 20μ                                | 1.8                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX9916</b> | 1MHz, 20μA, Rail-to-Rail I/O Op Amps with Shutdown                      | PRODUCTION        | 2         | 1M                 | 1M                         | 500m                     | 1m                             | 160n                                         | 10p                              | Both         | 20μ                                | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9917</b> | 1MHz, 20μA, Rail-to-Rail I/O Op Amps with Shutdown                      | PRODUCTION        | 2         | 1M                 | 1M                         | 500m                     | 1m                             | 160n                                         | 10p                              | Both         | 20μ                                | 1.8                                   | 5.5                                   | CMOS Inputs           |

|                | Description                                                 | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|----------------|-------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>MAX9910</b> | 200kHz, 4μA, Rail-to-Rail I/O Op Amps with Shutdown         | PRODUCTION        | 1         | 200k               | 200k                       | 100m                     | 1m                             | 400n                                         | 10p                              | Both         | 4μ                                 | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9911</b> | 200kHz, 4μA, Rail-to-Rail I/O Op Amps with Shutdown         | PRODUCTION        | 1         | 200k               | 200k                       | 100m                     | 1m                             | 400n                                         | 10p                              | Both         | 4μ                                 | 1.8                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX9912</b> | 200kHz, 4μA, Rail-to-Rail I/O Op Amps with Shutdown         | PRODUCTION        | 2         | 200k               | 200k                       | 100m                     | 1m                             | 400n                                         | 10p                              | Both         | 4μ                                 | 1.8                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX9913</b> | 200kHz, 4μA, Rail-to-Rail I/O Op Amps with Shutdown         | PRODUCTION        | 2         | 200k               | 200k                       | 100m                     | 1m                             | 400n                                         | 10p                              | Both         | 4μ                                 | 1.8                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>AD8656</b>  | Low Noise, Precision CMOS Dual Amplifier                    | PRODUCTION        | 2         | 28M                | -                          | 11                       | 250μ                           | 2.7n                                         | 10p                              | Both         | 3.7m                               | 2.7                                   | 5.5                                   | Op Amp                |
| <b>AD8029</b>  | Low-Power High-Speed Rail-to-Rail Input/Output Op-Amp       | PRODUCTION        | 1         | 45M                | 125M                       | 63                       | 5m                             | 16.5n                                        | 2.8μ                             | Both         | 1.4m                               | 2.7                                   | 12                                    | General Purpose       |
| <b>AD8030</b>  | Low-Power High-Speed Rail-to-Rail Input/Output Op Amplifier | PRODUCTION        | 2         | 45M                | 125M                       | 63                       | 5m                             | 16.5n                                        | 2.8μ                             | Both         | 1.4m                               | 2.7                                   | 12                                    | General Purpose       |
| <b>AD8040</b>  | Low-Power High-Speed Rail-to-Rail Input/Output Op Amplifier | PRODUCTION        | 4         | 45M                | 125M                       | 62                       | 5m                             | 16.5n                                        | 2.8μ                             | Both         | 1.4m                               | 2.7                                   | 12                                    | General Purpose       |

|                  | Description                                                     | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|------------------|-----------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>AD797</b>     | Ultralow Distortion, Ultralow Noise Op Amp                      | PRODUCTION                      | 1         | 110M               | 8M                         | 20                       | 40μ                            | 900p                                         | 900n                             | -                | 10.5m                              | 10                                    | 36                                    | -            |
| <b>OP290</b>     | Low Voltage Dual Precision, Micropower Op Amp                   | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 20k                | -                          | 12m                      | 500μ                           | 80n                                          | 25n                              | In to V-         | 20μ                                | 1.6                                   | 36                                    | -            |
| <b>AD8022</b>    | Dual High Speed, Low Noise Op Amp                               | PRODUCTION                      | 2         | 110M               | 130M                       | 50                       | 6m                             | 2.5n                                         | 5μ                               | -                | 4m                                 | 4.5                                   | 26                                    | Op Amp       |
| <b>ADA4850-1</b> | High Speed, Rail-to-Rail Output Op Amp with Ultralow Power-Down | PRODUCTION                      | 1         | -                  | 175M                       | 160                      | 4.2m                           | 10n                                          | 4.2μ                             | In to V-, Output | 2.5m                               | 2.7                                   | 6                                     | Shutdown     |
| <b>ADA4850-2</b> | High Speed, Rail-to-Rail Output Op Amp with Ultralow Power-Down | PRODUCTION                      | 2         | -                  | 175M                       | 160                      | 4.2m                           | 10n                                          | 4.2μ                             | In to V-, Output | 2.5m                               | 2.7                                   | 6                                     | Shutdown     |
| <b>LTC6241</b>   | Dual 18MHz, Low Noise, Rail-to-Rail Output, CMOS Op Amp         | PRODUCTION                      | 2         | 18M                | -                          | 10                       | 125μ                           | 7n                                           | 75p                              | In to V-, Output | 1.8m                               | 2.8                                   | 6                                     | -            |
| <b>LTC6241HV</b> | Dual 18MHz, Low Noise, Rail-to-Rail Output, CMOS Op Amp         | PRODUCTION                      | 2         | 18M                | -                          | 10                       | 125μ                           | 7n                                           | 75p                              | In to V-, Output | 1.8m                               | 2.8                                   | 12                                    | -            |
| <b>LTC6242</b>   | Quad 18MHz, Low Noise, Rail-to-Rail Output, CMOS Op Amp         | PRODUCTION                      | 4         | 18M                | -                          | 10                       | 125μ                           | 7n                                           | 75p                              | In to V-, Output | 1.8m                               | 2.8                                   | 6                                     | -            |

|                  | Description                                                   | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|------------------|---------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>LTC6242HV</b> | Quad 18MHz, Low Noise, Rail-to-Rail Output, CMOS Op Amp       | PRODUCTION        | 4         | 18M                | -                          | 10                       | 125μ                           | 7n                                           | 75p                              | In to V-, Output | 1.8m                               | 2.8                                   | 12                                    | -            |
| <b>AD8603</b>    | MicroPower RRIO Low Noise Precision Single CMOS Op Amp        | PRODUCTION        | 1         | 316k               | -                          | 100m                     | 300μ                           | 22n                                          | 1p                               | Both             | 50μ                                | 1.8                                   | 5                                     | -            |
| <b>AD8607</b>    | Precision Dual MicroPower Rail-to-Rail Input/Output Amplifier | PRODUCTION        | 2         | 316k               | -                          | 100m                     | 300μ                           | 22n                                          | 1p                               | Both             | 50μ                                | 1.8                                   | 5                                     | -            |
| <b>AD8609</b>    | Precision Quad MicroPower Rail-to-Rail Input/Output Amplifier | PRODUCTION        | 4         | 316k               | -                          | 100m                     | 300μ                           | 22n                                          | 1p                               | Both             | 40μ                                | 1.8                                   | 5                                     | -            |
| <b>AD8671</b>    | Precision Low Noise, Low Input Bias Current, Single Op Amp    | PRODUCTION        | 1         | 10M                | -                          | 4                        | 75μ                            | 2.8n                                         | 12n                              | -                | 3m                                 | 8                                     | 36                                    | -            |
| <b>AD8672</b>    | Precision Low Noise, Low Input Bias Current Dual Op Amp       | PRODUCTION        | 2         | 10M                | -                          | 4                        | 75μ                            | 2.8n                                         | 12n                              | -                | 3m                                 | 8                                     | 36                                    | -            |
| <b>AD8674</b>    | Precision Low Noise, Low Input Bias Current, Quad Op Amp      | PRODUCTION        | 4         | 10M                | -                          | 4                        | 75μ                            | 2.8n                                         | 12n                              | -                | 3m                                 | 8                                     | 36                                    | -            |
| <b>AD704</b>     | Picoampere Input Current Quad Bipolar Op Amp                  | PRODUCTION        | 4         | 800k               | -                          | 150m                     | 150μ                           | 15n                                          | 270p                             | -                | 600μ                               | 4                                     | 36                                    | -            |

|        | Description                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                               |
|--------|------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------------------------|
| AD826  | Low Cost, High Speed, Low Power Dual Operational Amplifier | PRODUCTION        | 2         | 50M                | 50M                        | 350                      | 2m                             | 15n                              | 6.6μ                             | -                | 6.6m                               | 5                                     | 36                                    | C-Load Stable, General Purpose                             |
| AD8655 | Low Noise, Precision CMOS Amplifier                        | PRODUCTION        | 1         | 28M                | -                          | 11                       | 250μ                           | 2.7n                             | 10p                              | Both             | 3.7m                               | 2.7                                   | 5.5                                   | Op Amp                                                     |
| AD746  | Dual Precision, 500 ns Settling, BiFET Op Amp              | PRODUCTION        | 2         | 13M                | 13M                        | 75                       | 1.5m                           | 16n                              | 250p                             | -                | 4m                                 | 9                                     | 36                                    | -                                                          |
| AD8001 | 800 MHz, 50 mW Current Feedback Amplifier                  | PRODUCTION        | 1         | -                  | 880M                       | 1.2k                     | 5.5m                           | 2n                               | 25μ                              | -                | 5m                                 | 6                                     | 12                                    | Video Amplifiers                                           |
| AD8004 | 3000 V/μS, 35mW Current Feedback Quad Amplifier            | PRODUCTION        | 4         | -                  | 250M                       | 3k                       | 3.5m                           | 1.5n                             | 110μ                             | -                | 14m                                | 4                                     | 12                                    | Video Amplifiers                                           |
| AD8011 | 300 MHz, 1 mA Current Feedback Amplifier                   | PRODUCTION        | 1         | -                  | 400M                       | 1.1k                     | 5m                             | 2n                               | 15μ                              | -                | 1m                                 | 3                                     | 12                                    | Video Amplifiers                                           |
| AD8041 | 160 MHz Rail-to-Rail Amplifier with Disable                | PRODUCTION        | 1         | 160M               | 170M                       | 170                      | 7m                             | 16n                              | 3.2μ                             | In to V-, Output | 5.8m                               | 3                                     | 12                                    | Shutdown                                                   |
| AD8044 | Quad 150 MHz Rail-to-Rail Amplifier                        | PRODUCTION        | 4         | 90M                | 160M                       | 190                      | 6.5m                           | 16n                              | 4.5μ                             | In to V-, Output | 2.875m                             | 3                                     | 12                                    | Rail-to-Rail Inputs, Rail-to-Rail Output, Video Amplifiers |
| AD8079 | Dual 260 MHz Gain = +2.0 & +2.2 Buffer                     | PRODUCTION        | 2         | 260M               | 260M                       | 800                      | 15m                            | 2n                               | 6μ                               | -                | 10m                                | 6                                     | 12                                    | -                                                          |

|        | Description                                         | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|--------|-----------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| AD828  | Dual, Low Power Video Op Amp                        | PRODUCTION                      | 2         | 100M               | 130M                       | 450                      | 2m                             | 10n                                          | 6.6μ                             | -            | 7m                                 | 5                                     | 36                                    | General Purpose  |
| AD8013 | Single Supply, Low Power, Triple Video Amplifier    | PRODUCTION                      | 3         | -                  | 140M                       | 1k                       | 5m                             | 3.5n                                         | 15μ                              | -            | 3.5m                               | 4.2                                   | 13                                    | Video Amplifiers |
| AD812  | Dual, Current Feedback Low Power Op Amp             | PRODUCTION                      | 2         | -                  | 145M                       | 250                      | 5m                             | 3.5n                                         | 25μ                              | -            | 4.5m                               | 2.4                                   | 36                                    | Video Amplifiers |
| AD8630 | Zero Drift, Single-Supply, Rail-to-Rail Quad Op Amp | PRODUCTION                      | 4         | 2.5M               | -                          | 1                        | 5μ                             | 22n                                          | 300p                             | Both         | 850μ                               | 2.7                                   | 5.5                                   | -                |
| AD8397 | Rail-to-Rail, High Output Current Amplifier         | PRODUCTION                      | 2         | -                  | 69M                        | 53                       | 3m                             | 4.5n                                         | 900n                             | Output       | 11m                                | 3                                     | 25.2                                  | Op Amp           |
| AD810  | Low Power Video Op Amp with Disable                 | PRODUCTION                      | 1         | -                  | 80M                        | 1k                       | 6m                             | 2.9n                                         | 10μ                              | -            | 6.8m                               | 5                                     | 36                                    | Buffer Amplifier |
| AD744  | Precision, 500 ns Settling BiFET Op Amp             | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 13M                | 13M                        | 75                       | 500μ                           | 16n                                          | 100p                             | -            | 3.5m                               | 9                                     | 36                                    | -                |
| AD8531 | 250 mA Output, Low Cost, Single-Supply Amplifier    | PRODUCTION                      | 1         | 3M                 | 350k                       | 5                        | 25m                            | 30n                                          | 50p                              | Both         | 750μ                               | 2.7                                   | 6                                     | LCD Driver       |
| AD8534 | 250 mA Output, Low Cost, Quad Single-Supply Op Amp  | PRODUCTION                      | 4         | 3M                 | 350k                       | 5                        | 25m                            | 30n                                          | 50p                              | Both         | 750μ                               | 2.7                                   | 6                                     | LCD Driver       |

|                 | Description                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                  |
|-----------------|-----------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| <b>AD8643</b>   | Low Power, Rail-to-Rail Output, Precision JFET Quad Amplifier   | PRODUCTION        | 4         | 3.5M               | -                          | 3                        | 750μ                           | 27.5n                            | 1p                               | In to V-, Output | 290μ                               | 5                                     | 26                                    | -                             |
| <b>LT6555</b>   | 650MHz Gain of 2 Triple 2:1Video Multiplexer                    | PRODUCTION        | 3         | -                  | 650M                       | 2.2k                     | 16m                            | 9n                               | 45μ                              | -                | 9m                                 | 4.5                                   | 12                                    | Shutdown                      |
| <b>AD8099</b>   | Ultralow Distortion, High Speed 0.95nV/√Hz Voltage Noise Op Amp | PRODUCTION        | 1         | 3.8G               | 510M                       | 470                      | 500μ                           | 950p                             | 13μ                              | -                | 15m                                | 5                                     | 12                                    | -                             |
| <b>AD8642</b>   | Low Power, Rail-to-Rail Output, Precision Dual JFET Op Amp      | PRODUCTION        | 2         | 3.5M               | -                          | 3                        | 750μ                           | 27.5n                            | 1p                               | In to V-, Output | 290μ                               | 5                                     | 26                                    | -                             |
| <b>AD8000</b>   | 1.5 GHz, Ultrahigh Speed Op Amp                                 | PRODUCTION        | 1         | -                  | 1.58G                      | 4.1k                     | 10m                            | 1.6n                             | 45μ                              | -                | 13.5m                              | 4.5                                   | 12                                    | Ultra High Speed Op Amp       |
| <b>AD8641</b>   | Low Power, Rail-to-Rail Output Precision Single JFET Op Amp     | PRODUCTION        | 1         | 3.5M               | -                          | 3                        | 750μ                           | 27.5n                            | 1p                               | In to V-, Output | 290μ                               | 5                                     | 26                                    | -                             |
| <b>MAX4030E</b> | Low-Cost, 144MHz, Dual/Triple Op Amps with ±15kV ESD Protection | PRODUCTION        | 2         | -                  | 144M                       | 115                      | 26m                            | -                                | 1μ                               | In to V-, Output | 12m                                | 4.5                                   | 5                                     | 15kV ESD Protection, Shutdown |
| <b>MAX4031E</b> | Low-Cost, 144MHz, Dual/Triple Op Amps with ±15kV ESD Protection | PRODUCTION        | 3         | -                  | 144M                       | 115                      | 26m                            | -                                | 1μ                               | In to V-, Output | 12m                                | 4.5                                   | 5                                     | 15kV ESD Protection, Shutdown |

|               | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                          |
|---------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------------------|
| <b>AD8615</b> | Precision 20 MHz CMOS Single RRIO Operational Amplifier                    | PRODUCTION        | 1         | 24M                | -                          | 12                       | 100μ                           | 7n                                           | 1p                               | Both             | 1.7m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Rail-to-Rail Inputs, Rail-to-Rail Output |
| <b>AD8616</b> | Precision 20 MHz CMOS Rail-to-Rail Dual Operational Amplifier              | PRODUCTION        | 2         | 24M                | -                          | 12                       | 60μ                            | 7n                                           | 1p                               | Both             | 1.7m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Rail-to-Rail Inputs, Rail-to-Rail Output |
| <b>AD8618</b> | Precision 20 MHz CMOS Quad Rail-to-Rail Operational Amplifier              | PRODUCTION        | 4         | 24M                | -                          | 12                       | 60μ                            | 7n                                           | 1p                               | Both             | 2m                                 | 2.7                                   | 5.5                                   | CMOS Inputs, Rail-to-Rail Inputs, Rail-to-Rail Output |
| <b>AD8628</b> | Zero-Drift, Single-Supply, Rail-to-Rail Input/Output Operational Amplifier | PRODUCTION        | 1         | 2.5M               | -                          | 1                        | 5μ                             | 22n                                          | 100p                             | Both             | 850μ                               | 2.7                                   | 5.5                                   | -                                                     |
| <b>AD8629</b> | Zero-Drift, Single-Supply, Rail-to-Rail Input/Output Operational Amplifier | PRODUCTION        | 2         | 2.5M               | -                          | 1                        | 5μ                             | 22n                                          | 100p                             | Both             | 850μ                               | 2.7                                   | 5.5                                   | -                                                     |
| <b>AD825</b>  | Low Cost, General-Purpose High Speed JFET Amplifier                        | PRODUCTION        | 1         | 26M                | 46M                        | 140                      | 2m                             | 12n                                          | 40p                              | -                | 6.5m                               | 10                                    | 36                                    | -                                                     |
| <b>OP162</b>  | 15 MHz Rail-to-Rail Single Op Amp                                          | PRODUCTION        | 1         | 15M                | -                          | 13                       | 325μ                           | 9.5n                                         | 500n                             | In to V-, Output | 600μ                               | 2.7                                   | 12                                    | -                                                     |



|               | Description                                                       | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|---------------|-------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>OP262</b>  | 15 MHz Rail-to-Rail Operational Dual Op Amp                       | PRODUCTION        | 2         | 15M                | -                          | 13                       | 325μ                           | 9.5n                                         | 500n                             | In to V-, Output | 775μ                               | 2.7                                   | 12                                    | -            |
| <b>OP462</b>  | 15 MHz Rail-to-Rail Quad Op Amp                                   | PRODUCTION        | 4         | 15M                | -                          | 13                       | 325μ                           | 9.5n                                         | 500n                             | In to V-, Output | 775μ                               | 2.7                                   | 12                                    | -            |
| <b>OP191</b>  | Micropower Single-Supply RRIO Single Op Amp                       | PRODUCTION        | 1         | 3M                 | -                          | 500m                     | 500μ                           | 42n                                          | 65n                              | Both             | 420μ                               | 2.7                                   | 12                                    | -            |
| <b>AD8625</b> | Precision, Low Power, Single-Supply, JFET Amplifier               | PRODUCTION        | 4         | 5M                 | -                          | 5                        | 750μ                           | 16n                                          | 1p                               | In to V-, Output | 850μ                               | 5                                     | 26                                    | -            |
| <b>AD8626</b> | Precision, Low Power, Single-Supply, JFET Amplifier in MSOP       | PRODUCTION        | 2         | 5M                 | -                          | 5                        | 750μ                           | 16n                                          | 1p                               | In to V-, Output | 850μ                               | 5                                     | 26                                    | -            |
| <b>AD8627</b> | Precision, Low Power, Single Supply JFET Amplifier in 5-Lead SC70 | PRODUCTION        | 1         | 5M                 | -                          | 5                        | 750μ                           | 16n                                          | 1p                               | In to V-, Output | 850μ                               | 5                                     | 26                                    | -            |
| <b>OP282</b>  | Low Power, High Speed JFET Dual Operational Amplifier             | PRODUCTION        | 2         | 4M                 | -                          | 9                        | 3m                             | 36n                                          | 100p                             | In to V+         | 210μ                               | 9                                     | 36                                    | -            |
| <b>OP482</b>  | Low Power, High Speed JFET Quad Operational Amplifier             | PRODUCTION        | 4         | 4M                 | -                          | 9                        | 4m                             | 36n                                          | 100p                             | In to V+         | 210μ                               | 9                                     | 36                                    | -            |

|        | Description                                                    | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|--------|----------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| AD8610 | Precision, Low Input Bias Current, Wide BW JFET Single Op Amp  | PRODUCTION                      | 1         | 25M                | -                          | 60                       | 100μ                           | 6n                                           | 10p                              | -            | 3.5m                               | 10                                    | 26                                    | -                |
| AD8045 | 3 nV/√Hz Ultralow Distortion, High Speed Op Amp                | PRODUCTION                      | 1         | 400M               | 1G                         | 1.35k                    | 1m                             | 3n                                           | 6.3μ                             | -            | 16m                                | 3.3                                   | 12                                    | -                |
| AD8008 | Ultralow Distortion, High Speed Amplifiers                     | PRODUCTION                      | 2         | -                  | 500M                       | 1k                       | 4m                             | 2.7n                                         | 8μ                               | -            | 9m                                 | 5                                     | 12                                    | -                |
| AD8017 | Low Cost, High Output Current, High Output Voltage Line Driver | PRODUCTION                      | 2         | -                  | 160M                       | 1.6k                     | 3m                             | 1.9n                                         | 45μ                              | -            | 7m                                 | 4.4                                   | 12                                    | -                |
| AD8012 | Dual 350 MHz Low Power Amplifier                               | PRODUCTION                      | 2         | -                  | 350M                       | 2.25k                    | 4m                             | 2.5n                                         | 12μ                              | -            | 1.7m                               | 3                                     | 12                                    | Op Amp           |
| AD9631 | Ultralow Distortion, High Speed Op Amp, Stable at Gain of 1    | PRODUCTION                      | 1         | 110M               | 320M                       | 1.3k                     | 10m                            | 7n                                           | 7μ                               | -            | 17m                                | 6                                     | 12                                    | Video Amplifiers |
| AD8016 | Full Rate ADSL Line Driver With Powerdown                      | NOT RECOMMENDED FOR NEW DESIGNS | 2         | -                  | 380M                       | 1k                       | 3m                             | 2.6n                                         | 75μ                              | -            | 12.5m                              | 6                                     | 26                                    | Line Drivers     |
| AD844  | 60 MHz, 2000 V/μs, Monolithic Op Amp with Quad Low Noise       | PRODUCTION                      | 1         | -                  | 60M                        | 2k                       | 150μ                           | 2n                                           | 250n                             | -            | 6.5m                               | 9                                     | 36                                    | -                |

|        | Description                                                         | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|--------|---------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| AD847  | High Speed, Low Power Monolithic Op Amp                             | PRODUCTION                      | 1         | 50M                | 50M                        | 300                      | 1m                             | 15n                                          | 6.6μ                             | -                | 4.8m                               | 9                                     | 36                                    | C-Load Stable    |
| AD8033 | Very Low-Cost High-Speed FastFET™ Op Amps                           | PRODUCTION                      | 1         | 45M                | 80M                        | 80                       | 2m                             | 11n                                          | 11p                              | In to V-, Output | 3.3m                               | 5                                     | 24                                    | FET Input        |
| AD845  | Precision, 16 MHz CBFET Op Amp                                      | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 16M                | -                          | 100                      | 250μ                           | 12n                                          | 1n                               | -                | 10m                                | 9.5                                   | 36                                    | -                |
| AD842  | Wideband, High Output Current, Fast Settling Op Amp                 | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 80M                | -                          | 375                      | 1m                             | 9n                                           | 5μ                               | -                | 13m                                | 10                                    | 36                                    | Buffer Amplifier |
| AD8002 | Dual 600 MHz, 50 mW Current Feedback Amplifier                      | PRODUCTION                      | 2         | -                  | 600M                       | 1.2k                     | 6m                             | 2n                                           | 25μ                              | -                | 10m                                | 6                                     | 12                                    | Video Amplifiers |
| AD8018 | 5 V, Rail-to-Rail, High Output Current, xDSL Line Driver Amplifiers | PRODUCTION                      | 2         | -                  | 130M                       | 300                      | 15m                            | 4.5n                                         | 8μ                               | Output           | 9m                                 | 3.3                                   | 8                                     | Line Drivers     |
| AD841  | Wideband, Unity-Gain Stable, Fast Settling Op Amp                   | PRODUCTION                      | 1         | 40M                | 40M                        | 300                      | 1m                             | 15n                                          | 5μ                               | -                | 11m                                | 10                                    | 36                                    | -                |
| AD843  | 34 MHz, CBFET Fast Settling Op Amp                                  | PRODUCTION                      | 1         | 34M                | -                          | 250                      | 1m                             | 19n                                          | 1n                               | -                | 12m                                | 9                                     | 36                                    | -                |
| AD848  | High Speed, Low Power Monolithic Op Amps 5 Stable                   | PRODUCTION                      | 1         | 175M               | 35M                        | 300                      | 2.3m                           | 5n                                           | 5μ                               | -                | 4.8m                               | 9                                     | 36                                    | C-Load Stable    |

|        | Description                                                            | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                               |
|--------|------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------|
| AD813  | Single Supply, Low Power Triple Video Amplifier                        | PRODUCTION                      | 3         | -                  | 100M                       | 450                      | 5m                             | 3.5n                                         | 30μ                              | -            | 4.5m                               | 2.4                                   | 36                                    | Shutdown                                   |
| AD8039 | Low Power, 350 MHz Voltage Feedback Amplifiers                         | PRODUCTION                      | 2         | 100M               | 350M                       | 425                      | 3m                             | 8n                                           | 750n                             | -            | 1m                                 | 3                                     | 12                                    | Buffer Amplifier, Op Amp, Video Amplifiers |
| AD8007 | Ultralow Distortion, High Speed Amplifiers                             | PRODUCTION                      | 1         | -                  | 500M                       | 1k                       | 4m                             | 2.7n                                         | 6μ                               | -            | 9m                                 | 5                                     | 12                                    | -                                          |
| AD8023 | High Current Output, Triple Video Amplifier                            | PRODUCTION                      | 3         | -                  | 125M                       | 1.2k                     | 5m                             | 2n                                           | 45μ                              | -            | 6.2m                               | 4.2                                   | 15                                    | Shutdown                                   |
| AD8057 | Low Cost, Single, High Performance Voltage Feedback, 325 MHz Amplifier | PRODUCTION                      | 1         | 100M               | 325M                       | 1.15k                    | 5m                             | 7n                                           | 2.5μ                             | -            | 6                                  | 3                                     | 12                                    | Op Amp                                     |
| AD8058 | Low Cost, Dual, High Performance Voltage Feedback, 325 MHz Amplifier   | PRODUCTION                      | 2         | 100M               | 325M                       | 1.15k                    | 5m                             | 7n                                           | 2.5μ                             | -            | 14m                                | 3                                     | 12                                    | Op Amp                                     |
| AD8072 | Low Cost, Dual Video Amplifier                                         | LAST TIME BUY                   | 2         | -                  | 100M                       | 500                      | 6m                             | 3n                                           | 12μ                              | -            | 3m                                 | 5                                     | 12                                    | Video Amplifiers                           |
| AD8073 | Low Cost, Triple Video Amplifier                                       | LAST TIME BUY                   | 3         | -                  | 100M                       | 500                      | 6m                             | 3n                                           | 12μ                              | -            | 3m                                 | 5                                     | 12                                    | General Purpose                            |
| OP292  | Dual Single Supply Operational Amplifier                               | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 4M                 | -                          | 4                        | 2m                             | 15n                                          | 700n                             | In to V-     | 1m                                 | 4.5                                   | 33                                    | -                                          |

|               | Description                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------------|--------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>OP492</b>  | Quad Single Supply Operational Amplifier                                       | PRODUCTION        | 4         | 4M                 | -                          | 4                        | 2.5m                           | 15n                                          | 700n                             | In to V-     | 1m                                 | 4.5                                   | 33                                    | -                |
| <b>AD818</b>  | Low Cost, Low Power Video Op Amp                                               | PRODUCTION        | 1         | 100M               | 130M                       | 500                      | 2m                             | 10n                                          | 6.6μ                             | -            | 7m                                 | 5                                     | 36                                    | General Purpose  |
| <b>AD8036</b> | Unity Gain Stable - Low Distortion, Wide Bandwidth Voltage Feedback Clamp Amps | PRODUCTION        | 1         | 110M               | 240M                       | 1.2k                     | 7m                             | 6.7n                                         | 10μ                              | -            | 20.5m                              | 6                                     | 12                                    | Video Amplifiers |
| <b>AD8037</b> | Low Distortion, Wide Bandwidth Voltage Feedback Clamp Amps                     | PRODUCTION        | 1         | 140M               | 270M                       | 1.5k                     | 7m                             | 4.5n                                         | 9μ                               | -            | 18.5m                              | 6                                     | 12                                    | Video Amplifiers |
| <b>AD8038</b> | Low Power, 350 MHz Voltage Feedback Amplifiers                                 | PRODUCTION        | 1         | 100M               | 350M                       | 425                      | 3m                             | 8n                                           | 750n                             | -            | 1m                                 | 3                                     | 12                                    | Shutdown         |
| <b>AD8047</b> | 250 MHz, General Purpose Voltage Feedback Op Amps Gain 1 Stable                | PRODUCTION        | 1         | 110M               | 250M                       | 750                      | 3m                             | 5.2n                                         | 3.5μ                             | -            | 5.8m                               | 6                                     | 12                                    | Op Amp           |
| <b>AD8048</b> | 250 MHz, General Purpose Voltage Feedback Op Amps Gain 2 Stable                | PRODUCTION        | 1         | 120M               | 260M                       | 1k                       | 3m                             | 3.8n                                         | 3.5μ                             | -            | 5.9m                               | 6                                     | 12                                    | Video Amplifiers |

|        | Description                                                            | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|--------|------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| OP491  | Micropower Single-Supply RRIO Quad Op Amp                              | PRODUCTION                      | 4         | 3M                 | -                          | 500m                     | 700μ                           | 42n                                          | 65n                              | Both         | 200μ                               | 2.7                                   | 12                                    | -            |
| OP291  | Micropower Single-Supply RRIO Dual Op Amp                              | PRODUCTION                      | 2         | 3M                 | -                          | 500m                     | 700μ                           | 35n                                          | 65n                              | Both         | 420μ                               | 2.7                                   | 12                                    | -            |
| AD648  | Dual Precision, Low Power BiFET Op Amp                                 | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 1M                 | 1M                         | 1.8                      | 1m                             | 30n                                          | 10p                              | -            | 170μ                               | 9                                     | 36                                    | -            |
| OP275  | Bipolar/JFET, Audio Dual Op Amp                                        | PRODUCTION                      | 2         | 9M                 | -                          | 22                       | 1m                             | 6n                                           | 350n                             | -            | 2.5m                               | 9                                     | 44                                    | Op Amp       |
| OP470  | Low Noise Quad Op Amp                                                  | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 6M                 | -                          | 2                        | 400μ                           | 3.2n                                         | 25n                              | -            | 2.25m                              | 9                                     | 36                                    | -            |
| OP200  | Dual Low Offset, Low Power Operational Amplifier                       | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 500k               | -                          | 150m                     | 75μ                            | 11n                                          | 2n                               | -            | 775μ                               | 3                                     | 36                                    | -            |
| OP2177 | Precision Low Noise, Low Input Bias Current Dual Operational Amplifier | PRODUCTION                      | 2         | 1.3M               | -                          | 700m                     | 75μ                            | 7.9n                                         | 2n                               | -            | 400μ                               | 5                                     | 30                                    | -            |
| AD743  | Ultralow Noise BiFET Op Amp                                            | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 4.5M               | -                          | 2.8                      | 1m                             | 2.9n                                         | 400p                             | -            | 10m                                | 9.6                                   | 36                                    | -            |
| AD745  | Ultralow Noise, High Speed, BiFET Op Amp                               | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 20M                | -                          | 12.5                     | 500μ                           | 2.9n                                         | 250p                             | -            | 10m                                | 9.6                                   | 36                                    | -            |

|        | Description                                                              | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|--------|--------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| AD795  | Low Power, Low Noise Precision FET Op Amp                                | PRODUCTION                      | 1         | 1.6M               | 1.6M                       | 1                        | 500μ                           | 9n                                           | 2p                               | -                | 1.5m                               | 8                                     | 36                                    | -            |
| AD706  | Dual Picoampere Input Current Bipolar Op Amp                             | PRODUCTION                      | 2         | 800k               | -                          | 150m                     | 100μ                           | 15n                                          | 200p                             | -                | 600μ                               | 4                                     | 36                                    | -            |
| OP1177 | Precision Low Noise, Low Input Bias Current Single Operational Amplifier | PRODUCTION                      | 1         | 1.3M               | -                          | 700m                     | 60μ                            | 7.9n                                         | 2n                               | -                | 400μ                               | 5                                     | 30                                    | -            |
| OP4177 | Precision Low Noise, Low Input Bias Current Quad Operational Amplifier   | PRODUCTION                      | 4         | 1.3M               | -                          | 700m                     | 75μ                            | 7.9n                                         | 2n                               | -                | 500μ                               | 5                                     | 30                                    | -            |
| OP497  | Precision Picoampere Input Current Quad Operational Amplifier            | PRODUCTION                      | 4         | 500k               | -                          | 150m                     | 75μ                            | 15n                                          | 150p                             | -                | 625μ                               | 4                                     | 40                                    | Op Amp       |
| AD8620 | Low Input Bias Current, Wide BW JFET Precision Dual Op Amp               | PRODUCTION                      | 2         | 25M                | -                          | 60                       | 150μ                           | 6n                                           | 10p                              | -                | 3.5m                               | 10                                    | 26                                    | -            |
| OP270  | Low Noise Precision Dual Op Amp                                          | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 5M                 | -                          | 2.4                      | 75μ                            | 3.2n                                         | 20n                              | -                | 3.25m                              | 9                                     | 36                                    | -            |
| AD824  | Single Supply, Rail-to-Rail Low Power, FET-Input Quad Op Amp             | PRODUCTION                      | 4         | 2M                 | -                          | 2                        | 2.5m                           | 16n                                          | 35p                              | In to V-, Output | 560μ                               | 2.7                                   | 30                                    | -            |

|                  | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features        |
|------------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------|
| <b>LT6554</b>    | 650MHz Gain of 1 Triple Video Buffer                                       | LAST TIME BUY     | 3         | -                  | 650M                       | 2.5k                     | 35m                            | 20n                                          | 50μ                              | -                | 8m                                 | 4                                     | 13.2                                  | Shutdown            |
| <b>LT6013</b>    | Single 145μA, 9.5nV/√Hz, AV ≥ 5, Rail-to-Rail Output Precision Op Amps     | PRODUCTION        | 1         | 1.6M               | -                          | 200m                     | 35μ                            | 9.5n                                         | 250p                             | Output           | 145μ                               | 2.7                                   | 40                                    | Rail-to-Rail Output |
| <b>LTC2055</b>   | Dual Micropower Zero-Drift Operational Amplifiers                          | PRODUCTION        | 2         | 500k               | -                          | 500m                     | 3μ                             | 85n                                          | 150p                             | In to V-, Output | 130μ                               | 2.7                                   | 6                                     | -                   |
| <b>LTC2055HV</b> | Dual Micropower Zero-Drift Operational Amplifiers                          | PRODUCTION        | 2         | 500k               | -                          | 500m                     | 3μ                             | 85n                                          | 150p                             | In to V-, Output | 150μ                               | 2.7                                   | 11                                    | -                   |
| <b>LT6011</b>    | Dual/Quad 135μA, 14nV/√Hz, Rail-to-Rail Output Precision Op Amp            | PRODUCTION        | 2         | 330k               | -                          | 90m                      | 60μ                            | 14n                                          | 300p                             | Output           | 135μ                               | 2.4                                   | 40                                    | Rail-to-Rail Output |
| <b>LT6014</b>    | Dual 145μA, 9.5nV/√Hz, AV ≥ 5, Rail-to-Rail Output Precision Op Amps       | PRODUCTION        | 2         | 1.6M               | -                          | 200m                     | 60μ                            | 9.5n                                         | 400p                             | Output           | 145μ                               | 2.7                                   | 40                                    | Rail-to-Rail Output |
| <b>MAX4036</b>   | Low IBIAS, +1.4V/800nA, Rail-to-Rail Op Amps with +1.2V Buffered Reference | PRODUCTION        | 1         | 4k                 | 4k                         | 400μ                     | 2m                             | 500n                                         | 10p                              | Output           | 800n                               | 1.4                                   | 3.6                                   | CMOS Inputs         |



|                | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features  |
|----------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------|
| <b>MAX4037</b> | Low IBIAS, +1.4V/800nA, Rail-to-Rail Op Amps with +1.2V Buffered Reference | PRODUCTION        | 1         | 4k                 | 4k                         | 400μ                     | 2m                             | 500n                                         | 10p                              | Output           | 1.9μ                               | 1.4                                   | 3.6                                   | CMOS Inputs   |
| <b>MAX4038</b> | Low IBIAS, +1.4V/800nA, Rail-to-Rail Op Amps with +1.2V Buffered Reference | PRODUCTION        | 2         | 4k                 | 4k                         | 400μ                     | 2m                             | 500n                                         | 10p                              | Output           | 800n                               | 1.4                                   | 3.6                                   | CMOS Inputs   |
| <b>MAX4039</b> | Low IBIAS, +1.4V/800nA, Rail-to-Rail Op Amps with +1.2V Buffered Reference | PRODUCTION        | 2         | 4k                 | 4k                         | 400μ                     | 2m                             | 500n                                         | 10p                              | Output           | 1.4μ                               | 1.4                                   | 3.6                                   | CMOS Inputs   |
| <b>LT1678</b>  | Dual/Quad Low Noise, Rail-to-Rail, Precision Op Amps                       | PRODUCTION        | 2         | 20M                | -                          | 6                        | 100μ                           | 3.9n                                         | 20n                              | Both             | 2m                                 | 3                                     | 36                                    | -             |
| <b>LT1679</b>  | Dual/Quad Low Noise, Rail-to-Rail, Precision Op Amps                       | PRODUCTION        | 4         | 20M                | -                          | 6                        | 100μ                           | 3.9n                                         | 20n                              | Both             | 2m                                 | 3                                     | 36                                    | -             |
| <b>LT6211</b>  | Dual Programmable Supply Current, R-R Output, Current Feedback Amplifiers  | PRODUCTION        | 2         | -                  | 200M                       | 700                      | 6m                             | 6.5n                                         | -                                | Output           | 5.8m                               | 3                                     | 13.2                                  | C-Load Stable |
| <b>LTC2054</b> | Single Micropower Zero-Drift Operational Amplifiers                        | PRODUCTION        | 1         | 500k               | -                          | 500m                     | 3μ                             | 85n                                          | 150p                             | In to V-, Output | 140μ                               | 2.7                                   | 6                                     | -             |

|                  | Description                                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|------------------|---------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>LTC2054HV</b> | Single Micropower Zero-Drift Operational Amplifiers                 | PRODUCTION        | 1         | 500k               | -                          | 500m                     | 3μ                             | 85n                                          | 150p                             | In to V-, Output | 175μ                               | 2.7                                   | 11                                    | -                |
| <b>LT6010</b>    | 135μA, 14nV/√Hz, Rail-to-Rail Output Precision Op Amp with Shutdown | PRODUCTION        | 1         | 330k               | -                          | 90m                      | 35μ                            | 14n                                          | 110p                             | Output           | 135μ                               | 2.7                                   | 40                                    | Shutdown         |
| <b>LT6553</b>    | 650MHz Gain of 2 Triple Video Amplifier                             | PRODUCTION        | 3         | -                  | 650M                       | 2.5k                     | 10m                            | 9n                                           | 50μ                              | -                | 8m                                 | 4                                     | 13.2                                  | Video Amplifiers |
| <b>LT6233</b>    | 60MHz, Rail-to-Rail Output, 1.9nV/√Hz, 1.2mA Op Amp Family          | PRODUCTION        | 1         | 60M                | -                          | 15                       | 500μ                           | 1.9n                                         | 3μ                               | Output           | 1.15m                              | 3                                     | 12.6                                  | Shutdown         |
| <b>LT6233-10</b> | 60MHz, Rail-to-Rail Output, 1.9nV/√Hz, 1.2mA Op Amp Family          | PRODUCTION        | 1         | 375M               | -                          | 80                       | 500μ                           | 1.9n                                         | 3μ                               | Output           | 1.15m                              | 3                                     | 12.6                                  | Shutdown         |
| <b>LT6234</b>    | 60MHz, Rail-to-Rail Output, 1.9nV/√Hz, 1.2mA Op Amp Family          | PRODUCTION        | 2         | 60M                | -                          | 17                       | 350μ                           | 1.9n                                         | 3μ                               | Output           | 1.15m                              | 3                                     | 12.6                                  | -                |
| <b>LT6235</b>    | 60MHz, Rail-to-Rail Output, 1.9nV/√Hz, 1.2mA Op Amp Family          | PRODUCTION        | 4         | 60M                | -                          | 17                       | 350μ                           | 1.9n                                         | 3μ                               | Output           | 1.15m                              | 3                                     | 12.6                                  | -                |

|           | Description                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features        |
|-----------|-----------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------|
| LT6230    | 215MHz, Rail-to-Rail Output, 1.1nV/√Hz, 3.5mA Op Amp Family     | PRODUCTION        | 1         | 215M               | -                          | 70                       | 500μ                           | 1.1n                                         | 10μ                              | Output           | 3.3m                               | 3                                     | 12.6                                  | Shutdown            |
| LT6230-10 | 215MHz, Rail-to-Rail Output, 1.1nV/√Hz, 3.5mA Op Amp Family     | PRODUCTION        | 1         | 1.45G              | -                          | 250                      | 500μ                           | 1.1n                                         | 10μ                              | Output           | 3.3m                               | 3                                     | 12.6                                  | Shutdown            |
| LT6231    | 215MHz, Rail-to-Rail Output, 1.1nV/√Hz, 3.5mA Op Amp Family     | PRODUCTION        | 2         | 215M               | -                          | 70                       | 350μ                           | 1.1n                                         | 10μ                              | Output           | 3.3m                               | 3                                     | 12.6                                  | -                   |
| LT6232    | 215MHz, Rail-to-Rail Output, 1.1nV/√Hz, 3.5mA Op Amp Family     | PRODUCTION        | 4         | 215M               | -                          | 70                       | 350μ                           | 1.1n                                         | 10μ                              | Output           | 3.3m                               | 3                                     | 12.6                                  | -                   |
| LT6205    | Single, Single Supply 3V, 100MHz Video Op Amps                  | PRODUCTION        | 1         | 100M               | -                          | 600                      | 4.5m                           | 9n                                           | 30μ                              | In to V-, Output | 4m                                 | 3                                     | 12.6                                  | -                   |
| LT6207    | Quad Single Supply 3V, 100MHz Video Op Amps                     | LAST TIME BUY     | 4         | 100M               | -                          | 600                      | 4.5m                           | 9n                                           | 30μ                              | In to V-, Output | 4m                                 | 3                                     | 12.6                                  | -                   |
| LT6012    | Dual/Quad 135μA, 14nV/√Hz, Rail-to-Rail Output Precision Op Amp | PRODUCTION        | 4         | 330k               | -                          | 90m                      | 60μ                            | 14n                                          | 300p                             | Output           | 135μ                               | 2.4                                   | 40                                    | Rail-to-Rail Output |

|        | Description                                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features  |
|--------|---------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|---------------|
| LT6210 | Single Programmable Supply Current, R-R Output, Current Feedback Amplifiers     | PRODUCTION        | 1         | -                  | 200M                       | 700                      | 6m                             | 6.5n                             | -                                | Output       | 5.8m                               | 3                                     | 13.2                                  | C-Load Stable |
| LT1193 | Video Difference Amplifier                                                      | PRODUCTION        | 1         | 80M                | -                          | 500                      | 12m                            | 50n                              | 3.5μ                             | -            | 35m                                | 4                                     | 18                                    | Shutdown      |
| LT6552 | 3.3V Single Supply Video Difference Amplifier                                   | PRODUCTION        | 1         | 75M                | -                          | 600                      | 20m                            | 55n                              | 50μ                              | Output       | 12.5m                              | 3                                     | 12.6                                  | Shutdown      |
| LT6220 | Single 60MHz, 20V/μs Low Power, Rail-to-Rail Input and Output Precision Op Amps | PRODUCTION        | 1         | 60M                | -                          | 20                       | 350μ                           | 10n                              | 150n                             | Both         | 900μ                               | 2.2                                   | 12.6                                  | -             |
| LT6221 | Dual 60MHz, 20V/μs Low Power, Rail-to-Rail Input and Output Precision Op Amp    | PRODUCTION        | 2         | 60M                | -                          | 20                       | 350μ                           | 10n                              | 150n                             | Both         | 900μ                               | 2.2                                   | 12.6                                  | -             |
| LT6222 | Quad 60MHz, 20V/μs Low Power, Rail-to-Rail Input and Output Precision Op Amp    | PRODUCTION        | 4         | 60M                | -                          | 20                       | 350μ                           | 10n                              | 150n                             | Both         | 900μ                               | 2.2                                   | 12.6                                  | -             |
| LT1803 | Single/Dual/Quad 100V/μs, 85MHz, Rail-to-Rail Input and Output Op Amps          | PRODUCTION        | 1         | 83M                | -                          | 100                      | 2m                             | 21n                              | 750n                             | Both         | 2.7m                               | 2.3                                   | 12.6                                  | -             |

|        | Description                                                                               | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                     |
|--------|-------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------------|
| LT1804 | Single/Dual/Quad 100V/μs, 85MHz, Rail-to-Rail Input and Output Op Amps                    | PRODUCTION        | 2         | 83M                | -                          | 100                      | 2m                             | 21n                                          | 750n                             | Both             | 2.7m                               | 2.3                                   | 12.6                                  | -                                                |
| LT1805 | Single/Dual/Quad 100V/μs, 85MHz, Rail-to-Rail Input and Output Op Amps                    | PRODUCTION        | 4         | 85M                | -                          | 100                      | 2m                             | 21n                                          | 750n                             | Both             | 2.7m                               | 2.3                                   | 12.6                                  | -                                                |
| LT6206 | Dual, Single Supply 3V, 100MHz Video Op Amps                                              | PRODUCTION        | 2         | 100M               | -                          | 600                      | 4.5m                           | 9n                                           | 30μ                              | In to V-, Output | 4m                                 | 3                                     | 12.6                                  | -                                                |
| LT1112 | Dual Low Power Precision, Picoamp Input Op Amps                                           | PRODUCTION        | 2         | 750k               | -                          | 300m                     | 60μ                            | 14n                                          | 250p                             | -                | 350μ                               | 2                                     | 40                                    | Picoamp Input                                    |
| LT6201 | Dual 165MHz, Rail-to-Rail Input and Output, 0.95nV/√Hz Low Noise, Op Amp Family           | PRODUCTION        | 2         | 165M               | -                          | 50                       | 4m                             | 950p                                         | 40μ                              | Both             | 20m                                | 2.5                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output |
| LT1818 | 400MHz, 2500V/μs, 9mA Single Operational Amplifiers                                       | PRODUCTION        | 1         | 400M               | -                          | 2.5k                     | 1.5m                           | 6n                                           | 8μ                               | -                | 9m                                 | 3.5                                   | 12.6                                  | -                                                |
| LT6202 | Single 100MHz, Rail-to-Rail Input and Output, Ultralow 1.9nV/√Hz Noise, Low Power Op Amps | PRODUCTION        | 1         | 100M               | -                          | 25                       | 500μ                           | 1.9n                                         | 7μ                               | Both             | 2.8m                               | 2.5                                   | 12.6                                  | -                                                |

|           | Description                                                                                | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|-----------|--------------------------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| LT6200    | 165MHz, Rail-to-Rail Input and Output, 0.95nV/ $\sqrt{\text{Hz}}$ Low Noise, Op Amp Family | PRODUCTION                      | 1         | 165M               | -                          | 44                       | 4m                             | 950p                             | 40 $\mu$                         | Both             | 20m                                | 2.5                                   | 12.6                                  | -                |
| LT6200-10 | 165MHz, Rail-to-Rail Input and Output, 0.95nV/ $\sqrt{\text{Hz}}$ Low Noise, Op Amp Family | PRODUCTION                      | 1         | 1.45G              | -                          | 340                      | 4m                             | 950p                             | 40 $\mu$                         | Both             | 20m                                | 2.5                                   | 12.6                                  | -                |
| LT6200-5  | 165MHz, Rail-to-Rail Input and Output, 0.95nV/ $\sqrt{\text{Hz}}$ Low Noise, Op Amp Family | PRODUCTION                      | 1         | 750M               | -                          | 210                      | 4m                             | 950p                             | 40 $\mu$                         | Both             | 20m                                | 2.5                                   | 12.6                                  | -                |
| LT6550    | 3.3V Triple and Quad Video Amplifiers                                                      | PRODUCTION                      | 3         | 110M               | -                          | 340                      | 35m                            | 12n                              | 65 $\mu$                         | In to V-, Output | 9.5m                               | 3                                     | 12.6                                  | -                |
| LT6551    | 3.3V Triple and Quad Video Amplifiers                                                      | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 110M               | -                          | 340                      | 35m                            | 12n                              | 65 $\mu$                         | In to V-, Output | 9.5m                               | 3                                     | 12.6                                  | -                |
| LT1819    | 400MHz, 2500V/ $\mu\text{s}$ , 9mA Dual Operational Amplifiers                             | PRODUCTION                      | 2         | 400M               | -                          | 2.5k                     | 1.5m                           | 6n                               | 8 $\mu$                          | -                | 9m                                 | 3.5                                   | 12.6                                  | -                |
| AD9632    | Ultralow Distortion, High Speed Op Amp, Stable at Gain of 2                                | PRODUCTION                      | 1         | 130M               | 250M                       | 1.5k                     | 5m                             | 4.3n                             | 7 $\mu$                          | -                | 16m                                | 6                                     | 12                                    | Video Amplifiers |

|                 | Description                                                                              | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|-----------------|------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>MAX4238</b>  | Ultra-Low Offset/Drift, Low-Noise, Precision SOT23 Amplifiers                            | PRODUCTION        | 1         | 1M                 | 1M                         | 350m                     | 2μ                             | 25n                                          | 10p                              | Output       | 600μ                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX4239</b>  | Ultra-Low Offset/Drift, Low-Noise, Precision SOT23 Amplifiers                            | PRODUCTION        | 1         | 6.5M               | 6.5M                       | 1.6                      | 2μ                             | 25n                                          | 10p                              | Output       | 600μ                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX4385E</b> | Low-Cost, 230MHz, Single/Quad Op Amps with Rail-to-Rail Outputs and ±15kV ESD Protection | PRODUCTION        | 1         | -                  | 230M                       | 450                      | 28m                            | 11.5n                                        | 20μ                              | Output       | 5.5m                               | 4.5                                   | 5.5                                   | 15kV ESD Protection   |
| <b>MAX4386E</b> | Low-Cost, 230MHz, Single/Quad Op Amps with Rail-to-Rail Outputs and ±15kV ESD Protection | PRODUCTION        | 4         | -                  | 230M                       | 450                      | 28m                            | 11.5n                                        | 20μ                              | Output       | 5.5m                               | 4.5                                   | 5.5                                   | 15kV ESD Protection   |
| <b>LT6203</b>   | Dual 100MHz, Rail-to-Rail Input and Output, Ultralow 1.9nV/√Hz Noise, Low Power Op Amps  | PRODUCTION        | 2         | 100M               | -                          | 25                       | 500μ                           | 1.9n                                         | 7μ                               | Both         | 2.8m                               | 2.5                                   | 12.6                                  | -                     |
| <b>LT6204</b>   | Quad 100MHz, Rail-to-Rail Input and Output, Ultralow 1.9nV/√Hz Noise, Low Power Op Amps  | PRODUCTION        | 4         | 100M               | -                          | 25                       | 500μ                           | 1.9n                                         | 7μ                               | Both         | 2.8m                               | 2.5                                   | 12.6                                  | -                     |

|                | Description                                                                      | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|----------------|----------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>SSM2135</b> | Dual Single-Supply Audio Operational Amplifier                                   | PRODUCTION        | 2         | 3.5M               | -                          | 900m                     | 2m                             | 5.2n                                         | 750n                             | In to V-     | 3.8m                               | 4                                     | 36                                    | -                     |
| <b>MAX4091</b> | Single/Dual /Quad, Micropower, Single-Supply, Rail-to-Rail Op Amps               | PRODUCTION        | 1         | 500k               | 500k                       | 200m                     | 1.4m                           | 12n                                          | 180n                             | Both         | 115μ                               | 2.7                                   | 6                                     | -                     |
| <b>MAX4092</b> | Single/Dual /Quad, Micropower, Single-Supply, Rail-to-Rail Op Amps               | PRODUCTION        | 2         | 500k               | 500k                       | 200m                     | 1.4m                           | 12n                                          | 180n                             | Both         | 115μ                               | 2.7                                   | 6                                     | -                     |
| <b>MAX4094</b> | Single/Dual /Quad, Micropower, Single-Supply, Rail-to-Rail Op Amps               | PRODUCTION        | 4         | 500k               | 500k                       | 200m                     | 1.4m                           | 12n                                          | 180n                             | Both         | 115μ                               | 2.7                                   | 6                                     | -                     |
| <b>MAX4230</b> | High-Output-Drive, 10MHz, 10V/μs, Rail-to-Rail I/O Op Amps with Shutdown in SC70 | PRODUCTION        | 1         | 10M                | 10M                        | 10                       | 6m                             | 12n                                          | 1p                               | Both         | 1.1m                               | 2.7                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX4231</b> | High-Output-Drive, 10MHz, 10V/μs, Rail-to-Rail I/O Op Amps with Shutdown in SC70 | PRODUCTION        | 1         | 10M                | 10M                        | 10                       | 6m                             | 12n                                          | 1p                               | Both         | 1.1m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown |



|                | Description                                                                      | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                     |
|----------------|----------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------------|
| <b>MAX4232</b> | High-Output-Drive, 10MHz, 10V/μs, Rail-to-Rail I/O Op Amps with Shutdown in SC70 | PRODUCTION        | 2         | 10M                | 10M                        | 10                       | 6m                             | 12n                                          | 1p                               | Both         | 1.1m                               | 2.7                                   | 5.5                                   | CMOS Inputs                                      |
| <b>MAX4233</b> | High-Output-Drive, 10MHz, 10V/μs, Rail-to-Rail I/O Op Amps with Shutdown in SC70 | PRODUCTION        | 2         | 10M                | 10M                        | 10                       | 6m                             | 12n                                          | 1p                               | Both         | 1.1m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown                            |
| <b>MAX4234</b> | High-Output-Drive, 10MHz, 10V/μs, Rail-to-Rail I/O Op Amps with Shutdown in SC70 | PRODUCTION        | 4         | 10M                | 10M                        | 10                       | 6m                             | 12n                                          | 1p                               | Both         | 1.1m                               | 2.7                                   | 5.5                                   | CMOS Inputs                                      |
| <b>LT1801</b>  | Dual 80MHz, 25V/μs Low Power Rail-to-Rail Input and Output Precision Op Amps     | PRODUCTION        | 2         | 70M                | -                          | 20                       | 600μ                           | 8.5n                                         | 250n                             | Both         | 1.8m                               | 2.3                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output |
| <b>LT1802</b>  | Quad 80MHz, 25V/μs Low Power Rail-to-Rail Input and Output Precision Op Amps     | PRODUCTION        | 4         | 70M                | -                          | 20                       | 600μ                           | 8.5n                                         | 250n                             | Both         | 1.8m                               | 2.3                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output |
| <b>MAX4289</b> | 1.0V Micropower, SOT23, Operational Amplifier                                    | PRODUCTION        | 1         | 17k                | 17k                        | 6m                       | 2m                             | 100n                                         | 15n                              | Output       | 9μ                                 | 1                                     | 5.5                                   | -                                                |

|                  | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features             |
|------------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------|
| <b>LT1722</b>    | Single 200MHz Low Noise Precision Op Amps                                  | PRODUCTION        | 1         | 200M               | -                          | 70                       | 400μ                           | 3.8n                             | 300n                             | -                | 3.7m                               | 4.6                                   | 12.6                                  | -                        |
| <b>LT1723</b>    | Dual 200MHz Low Noise Precision Op Amps                                    | PRODUCTION        | 2         | 200M               | -                          | 70                       | 400μ                           | 3.8n                             | 300n                             | -                | 3.7m                               | 4.6                                   | 12.6                                  | Op Amp, Video Amplifiers |
| <b>LT1724</b>    | Quad 200MHz Low Noise Precision Op Amps                                    | LAST TIME BUY     | 4         | 200M               | -                          | 70                       | 400μ                           | 3.8n                             | 300n                             | -                | 3.7m                               | 4.6                                   | 12.6                                  | Op Amp, Video Amplifiers |
| <b>LTC2052</b>   | Quad Zero-Drift Operational Amplifiers                                     | PRODUCTION        | 4         | 3M                 | -                          | 2                        | 3μ                             | -                                | 75p                              | In to V-, Output | 850μ                               | 2.7                                   | 6                                     | -                        |
| <b>LTC2052HV</b> | Quad Zero-Drift Operational Amplifiers                                     | PRODUCTION        | 4         | 3M                 | -                          | 2                        | 3μ                             | -                                | 75p                              | In to V-, Output | 850μ                               | 2.7                                   | 11                                    | -                        |
| <b>MAX4389</b>   | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 1         | -                  | 85M                        | 500                      | 26m                            | 13n                              | 15μ                              | Output           | 6m                                 | 4.5                                   | 11                                    | Shutdown                 |
| <b>MAX4390</b>   | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 1         | -                  | 85M                        | 500                      | 26m                            | 13n                              | 15μ                              | Output           | 6m                                 | 4.5                                   | 11                                    | Shutdown                 |
| <b>MAX4392</b>   | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 2         | -                  | 85M                        | 500                      | 26m                            | 13n                              | 15μ                              | Output           | 6m                                 | 4.5                                   | 11                                    | Shutdown                 |

|                | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4393</b> | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 2         | -                  | 85M                        | 500                      | 26m                            | 13n                                          | 15μ                              | Output       | 6m                                 | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4394</b> | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 3         | -                  | 85M                        | 500                      | 26m                            | 13n                                          | 15μ                              | Output       | 6m                                 | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4395</b> | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 4         | -                  | 85M                        | 500                      | 26m                            | 13n                                          | 15μ                              | Output       | 6m                                 | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4396</b> | Ultra-Small, Low-Cost, 85MHz Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 4         | -                  | 85M                        | 500                      | 26m                            | 13n                                          | 15μ                              | Output       | 6m                                 | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4434</b> | Single-Supply, 150MHz, 16-Bit Accurate, Ultra-Low Distortion Op Amps       | PRODUCTION        | 1         | -                  | 150M                       | 133                      | 3.5m                           | 2.2n                                         | 22μ                              | In to V-     | 15m                                | 4.5                                   | 5.5                                   | -            |
| <b>MAX4436</b> | Single-Supply, 150MHz, 16-Bit Accurate, Ultra-Low Distortion Op Amps       | PRODUCTION        | 2         | -                  | 150M                       | 133                      | 3.5m                           | 2.2n                                         | 22μ                              | In to V-     | 15m                                | 4.5                                   | 5.5                                   | -            |
| <b>LT6301</b>  | Dual 500mA, Differential xDSL Line Driver in 28-Lead TSSOP Package         | PRODUCTION        | 4         | 200M               | -                          | 600                      | 5m                             | 8n                                           | 4μ                               | -            | 4m                                 | 10                                    | 27                                    | Shutdown     |

|                | Description                                                            | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                     |
|----------------|------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------------|
| <b>MAX4464</b> | Single/Dual /Quad, +1.8V/750nA, SC70, Rail-to-Rail Op Amps             | PRODUCTION        | 1         | 40k                | 40k                        | 20m                      | 7m                             | 120n                                         | 1.5n                             | Output       | 750n                               | 1.8                                   | 5.5                                   | -                                                |
| <b>MAX4470</b> | Single/Dual /Quad, +1.8V/750nA, SC70, Rail-to-Rail Op Amps             | PRODUCTION        | 1         | 9k                 | 9k                         | 2m                       | 7m                             | 120n                                         | 1.5n                             | Output       | 750n                               | 1.8                                   | 5.5                                   | -                                                |
| <b>MAX4471</b> | Single/Dual /Quad, +1.8V/750nA, SC70, Rail-to-Rail Op Amps             | PRODUCTION        | 2         | 9k                 | 9k                         | 2m                       | 7m                             | 120n                                         | 1.5n                             | Output       | 750n                               | 1.8                                   | 5.5                                   | -                                                |
| <b>MAX4472</b> | Single/Dual /Quad, +1.8V/750nA, SC70, Rail-to-Rail Op Amps             | PRODUCTION        | 4         | 9k                 | 9k                         | 2m                       | 7m                             | 120n                                         | 1.5n                             | Output       | 750n                               | 1.8                                   | 5.5                                   | -                                                |
| <b>MAX4474</b> | Single/Dual /Quad, +1.8V/750nA, SC70, Rail-to-Rail Op Amps             | PRODUCTION        | 2         | 40k                | 40k                        | 20m                      | 7m                             | 120n                                         | 1.5n                             | Output       | 750n                               | 1.8                                   | 5.5                                   | -                                                |
| <b>LT1800</b>  | 80MHz, 25V/μs Low Power Rail-to-Rail Input and Output Precision Op Amp | PRODUCTION        | 1         | 80M                | -                          | 25                       | 350μ                           | 8.5n                                         | 250n                             | Both         | 1.6m                               | 2.3                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output |
| <b>LT1739</b>  | Dual 500mA, 200MHz xDSL Line Driver Amplifier                          | PRODUCTION        | 2         | 200M               | 200M                       | 600                      | 5m                             | 8n                                           | 4μ                               | -            | 10m                                | 8                                     | 27                                    | Shutdown                                         |

|          | Description                                                          | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|----------|----------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| LT6300   | 500mA, 200MHz xDSL Line Driver in 16-Lead SSOP Package               | NOT RECOMMENDED FOR NEW DESIGNS | 2         | 200M               | 200M                       | 600                      | 5m                             | 8n                                           | 4μ                               | -            | 10m                                | 8                                     | 27                                    | Shutdown              |
| MAX4236  | SOT23, Very High Precision, 3V/5V Rail-to-Rail Op Amps               | PRODUCTION                      | 1         | 1.7M               | 1.7M                       | 300m                     | 50μ                            | 14n                                          | 500p                             | Output       | 350μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4236A | SOT23, Very High Precision, 3V/5V Rail-to-Rail Op Amps               | PRODUCTION                      | 1         | 1.7M               | 1.7M                       | 300m                     | 20μ                            | 14n                                          | 500p                             | Output       | 350μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4237  | SOT23, Very High Precision, 3V/5V Rail-to-Rail Op Amps               | PRODUCTION                      | 1         | 7.5M               | 7.5M                       | 1.3                      | 50μ                            | 14n                                          | 500p                             | Output       | 350μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4237A | SOT23, Very High Precision, 3V/5V Rail-to-Rail Op Amps               | PRODUCTION                      | 1         | 7.5M               | 7.5M                       | 1.3                      | 20μ                            | 14n                                          | 500p                             | Output       | 350μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4335  | SC70/SOT23-8, 50mA IOUT, Rail-to-Rail I/O Op Amps with Shutdown/Mute | PRODUCTION                      | 1         | 5M                 | 5M                         | 1.8                      | 3m                             | 26n                                          | 400n                             | Both         | 1.3m                               | 2.7                                   | 5.5                                   | Shutdown              |
| MAX4336  | SC70/SOT23-8, 50mA IOUT, Rail-to-Rail I/O Op Amps with Shutdown/Mute | PRODUCTION                      | 1         | 5M                 | 5M                         | 1.8                      | 3m                             | 26n                                          | 400n                             | Both         | 1.3m                               | 2.7                                   | 5.5                                   | Shutdown              |
| MAX4337  | SC70/SOT23-8, 50mA IOUT, Rail-to-Rail I/O Op Amps with Shutdown/Mute | PRODUCTION                      | 2         | 5M                 | 5M                         | 1.8                      | 3m                             | 26n                                          | 400n                             | Both         | 1.3m                               | 2.7                                   | 5.5                                   | Shutdown              |

|                | Description                                                          | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|----------------|----------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>MAX4338</b> | SC70/SOT23-8, 50mA IOUT, Rail-to-Rail I/O Op Amps with Shutdown/Mute | PRODUCTION        | 2         | 5M                 | 5M                         | 1.8                      | 3m                             | 26n                                          | 400n                             | Both         | 1.3m                               | 2.7                                   | 5.5                                   | Shutdown              |
| <b>MAX4475</b> | SOT23, Low-Noise, Low-Distortion, Wide-Band, Rail-to-Rail Op Amps    | PRODUCTION        | 1         | 10M                | 10M                        | 3                        | 750μ                           | 4.5n                                         | 150p                             | Output       | 2.5m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX4476</b> | SOT23, Low-Noise, Low-Distortion, Wide-Band, Rail-to-Rail Op Amps    | PRODUCTION        | 1         | 10M                | 10M                        | 3                        | 750μ                           | 4.5n                                         | 150p                             | Output       | 2.5m                               | 2.7                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX4477</b> | SOT23, Low-Noise, Low-Distortion, Wide-Band, Rail-to-Rail Op Amps    | PRODUCTION        | 2         | 10M                | 10M                        | 3                        | 750μ                           | 4.5n                                         | 150p                             | Output       | 2.5m                               | 2.7                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX4478</b> | SOT23, Low-Noise, Low-Distortion, Wide-Band, Rail-to-Rail Op Amps    | PRODUCTION        | 4         | 10M                | 10M                        | 3                        | 750μ                           | 4.5n                                         | 150p                             | Output       | 2.5m                               | 2.7                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX4488</b> | SOT23, Low-Noise, Low-Distortion, Wide-Band, Rail-to-Rail Op Amps    | PRODUCTION        | 1         | 42M                | 42M                        | 10                       | 750μ                           | 4.5n                                         | 150p                             | Output       | 2.5m                               | 2.7                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX4489</b> | SOT23, Low-Noise, Low-Distortion, Wide-Band, Rail-to-Rail Op Amps    | PRODUCTION        | 2         | 42M                | 42M                        | 10                       | 750μ                           | 4.5n                                         | 150p                             | Output       | 2.5m                               | 2.7                                   | 5.5                                   | CMOS Inputs           |

|         | Description                                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                               |
|---------|--------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------|
| LT1816  | Dual 220MHz, 1500V/μs Operational Amplifiers with Programmable Supply Current              | PRODUCTION        | 2         | 220M               | 350M                       | 1.5k                     | 1.5m                           | 6n                                           | 8μ                               | -            | 6.5m                               | 2.5                                   | 12.6                                  | Buffer Amplifier, Op Amp, Video Amplifiers |
| MAX4245 | Ultra-Small, Rail-to-Rail I/O with Disable, Single/Dual-Supply, Low-Power Op Amps          | PRODUCTION        | 1         | 1M                 | 1M                         | 400m                     | 1.5m                           | 52n                                          | 50n                              | Both         | 375μ                               | 2.5                                   | 5.5                                   | Shutdown                                   |
| MAX4246 | Ultra-Small, Rail-to-Rail I/O with Disable, Single/Dual-Supply, Low-Power Op Amps          | PRODUCTION        | 2         | 1M                 | 1M                         | 400m                     | 1.5m                           | 52n                                          | 50n                              | Both         | 375μ                               | 2.5                                   | 5.5                                   | -                                          |
| MAX4247 | Ultra-Small, Rail-to-Rail I/O with Disable, Single/Dual-Supply, Low-Power Op Amps          | PRODUCTION        | 2         | 1M                 | 1M                         | 400m                     | 1.5m                           | 52n                                          | 50n                              | Both         | 375μ                               | 2.5                                   | 5.5                                   | Shutdown                                   |
| MAX4380 | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 1         | -                  | 210M                       | 485                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 4.5                                   | 11                                    | Shutdown                                   |
| MAX4381 | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 2         | -                  | 210M                       | 485                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 4.5                                   | 11                                    | Shutdown                                   |

|                | Description                                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|--------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4382</b> | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 3         | -                  | 210M                       | 485                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4383</b> | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 4         | -                  | 210M                       | 485                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4384</b> | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs and Disable | PRODUCTION        | 4         | -                  | 210M                       | 485                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 4.5                                   | 11                                    | Shutdown     |
| <b>MAX4352</b> | Low-Cost, +3V/+5V, 620μA, 200MHz, Single-Supply Op Amps with Rail-to-Rail Outputs          | PRODUCTION        | 1         | -                  | 80M                        | 240                      | 12m                            | 15n                                          | 3μ                               | Output       | 620μ                               | 2.7                                   | 5.25                                  | -            |
| <b>MAX4353</b> | Low-Cost, +3V/+5V, 620μA, 200MHz, Single-Supply Op Amps with Rail-to-Rail Outputs          | PRODUCTION        | 2         | -                  | 80M                        | 240                      | 12m                            | 15n                                          | 3μ                               | Output       | 620μ                               | 2.7                                   | 5.25                                  | -            |
| <b>MAX4452</b> | Low-Cost, +3V/+5V, 620μA, 200MHz, Single-Supply Op Amps with Rail-to-Rail Outputs          | PRODUCTION        | 1         | -                  | 200M                       | 95                       | 12m                            | 15n                                          | 3μ                               | Output       | 620μ                               | 2.7                                   | 5.25                                  | -            |



|         | Description                                                                       | Product Lifecycle | # of Amps | GBP typ | BW typ -3 dB | Slew Rate typ | Vos max | VNoise typ Density | Ibias max | Rail to Rail     | Iq/Amp typ | Vs min span | Vs max span | Amp Features  |
|---------|-----------------------------------------------------------------------------------|-------------------|-----------|---------|--------------|---------------|---------|--------------------|-----------|------------------|------------|-------------|-------------|---------------|
| MAX4453 | Low-Cost, +3V/+5V, 620μA, 200MHz, Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 2         | -       | 200M         | 95            | 12m     | 15n                | 3μ        | Output           | 620μ       | 2.7         | 5.25        | -             |
| MAX4454 | Low-Cost, +3V/+5V, 620μA, 200MHz, Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 4         | -       | 200M         | 95            | 12m     | 15n                | 3μ        | Output           | 620μ       | 2.7         | 5.25        | -             |
| LT1969  | Dual 700MHz, 200mA, Adjustable Current Operational Amplifier                      | LAST TIME BUY     | 2         | 700M    | -            | 200           | 4m      | 6n                 | 4μ        | -                | 7m         | 4           | 13.2        | Op Amp        |
| MAX4350 | Ultra-Small, Low-Cost, 210MHz, Dual-Supply Op Amps with Rail-to-Rail Outputs      | PRODUCTION        | 1         | -       | 210M         | 485           | 26m     | 10n                | 20μ       | In to V-, Output | 6.9m       | 9           | 11          | -             |
| MAX4351 | Ultra-Small, Low-Cost, 210MHz, Dual-Supply Op Amps with Rail-to-Rail Outputs      | PRODUCTION        | 2         | -       | 210M         | 485           | 26m     | 10n                | 20μ       | In to V-, Output | 6.9m       | 9           | 11          | -             |
| LT1970  | 500mA Power Op Amp with Adjustable Precision Current Limit                        | PRODUCTION        | 1         | 3.6M    | -            | 1.6           | 600μ    | 15n                | -         | -                | 7m         | 5           | 36          | Motor Drivers |

|         | Description                                                                         | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                       |
|---------|-------------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|
| LT1970A | 500mA Power Op Amp with Adjustable Precision Current Limit                          | RECOMMENDED FOR NEW DESIGNS | 1         | 3.6M               | -                          | 1.6                      | 600μ                           | 15n                                          | -                                | -            | 7m                                 | 5                                     | 36                                    | Shutdown                           |
| LT1672  | 2uA Max, Av ≥ 5 Single Over-The-Top Precision Rail-to-Rail Input and Output Op Amps | LAST TIME BUY               | 1         | 12k                | -                          | 5m                       | 375μ                           | 185n                                         | 1n                               | Both         | 1.5μ                               | 2.1                                   | 36                                    | Over-the-Top                       |
| LT1673  | 2uA Max, AV ≥ 5 Dual Over-The-Top Precision Rail-to-Rail Input and Output Op Amps   | PRODUCTION                  | 2         | 12k                | -                          | 5m                       | 375μ                           | 185n                                         | 1n                               | Both         | 1.5μ                               | 2.1                                   | 36                                    | Over-the-Top                       |
| LT1674  | 2uA Max, Av ≥ 5 Quad Over-The-Top Precision Rail-to-Rail Input and Output Op Amps   | LAST TIME BUY               | 4         | 12k                | -                          | 5m                       | 375μ                           | 185n                                         | 1n                               | Both         | 1.5μ                               | 2.1                                   | 36                                    | Over-the-Top                       |
| LT1880  | SOT-23, Rail-to-Rail Output, Picoamp Input Current Precision Op Amp                 | PRODUCTION                  | 1         | 1.1M               | -                          | 550m                     | 150μ                           | 13n                                          | 900p                             | Output       | 1.2m                               | 2.4                                   | 40                                    | Picoamp Input, Rail-to-Rail Output |
| LT1494  | 1.5μA Max, Single Precision Rail-to-Rail Input and Output Op Amps                   | PRODUCTION                  | 1         | 2.7k               | -                          | 1m                       | 375μ                           | 185n                                         | 1n                               | Both         | 1μ                                 | 2.1                                   | 36                                    | Over-the-Top                       |

|                | Description                                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                               |
|----------------|---------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------|
| <b>LT1815</b>  | Single 220MHz, 1500V/μs Operational Amplifiers with Programmable Supply Current | PRODUCTION        | 1         | 220M               | 350M                       | 1.5k                     | 1.5m                           | 6n                                           | 8μ                               | -            | 6.5m                               | 4                                     | 12.6                                  | Buffer Amplifier, Op Amp, Video Amplifiers |
| <b>LT1636</b>  | Over-The-Top Micropower Rail-to-Rail Input and Output Op Amp                    | PRODUCTION        | 1         | 200k               | -                          | 70m                      | 225μ                           | 52n                                          | 8n                               | Both         | 42μ                                | 2.6                                   | 44                                    | Over-the-Top, Shutdown                     |
| <b>LT1638</b>  | 1.2MHz, 0.4V/μs Over-The-Top Micropower Rail-to-Rail Input and Output Op Amps   | PRODUCTION        | 2         | 1.2M               | -                          | 380m                     | 700μ                           | 20n                                          | 50n                              | Both         | 170μ                               | 2.5                                   | 44                                    | Over-the-Top                               |
| <b>LT1639</b>  | 1.2MHz, 0.4V/μs Over-The-Top Micropower Rail-to-Rail Input and Output Op Amps   | PRODUCTION        | 4         | 1.075M             | -                          | 380m                     | 600μ                           | 20n                                          | 50n                              | Both         | 170μ                               | 2.5                                   | 44                                    | Over-the-Top                               |
| <b>LT1794</b>  | Dual 500mA, 200MHz xDSL Line Driver Amplifier                                   | PRODUCTION        | 2         | 200M               | 200M                       | 600                      | 5m                             | 8n                                           | 4μ                               | -            | 10m                                | 8                                     | 36                                    | Shutdown                                   |
| <b>MAX4414</b> | Low-Power, +3V/+5V, 400MHz Single-Supply Op Amps with Rail-to-Rail Outputs      | PRODUCTION        | 1         | -                  | 400M                       | 200                      | 6m                             | 10n                                          | 4μ                               | Output       | 1.6m                               | 2.7                                   | 5.5                                   | -                                          |
| <b>MAX4416</b> | Low-Power, +3V/+5V, 400MHz Single-Supply Op Amps with Rail-to-Rail Outputs      | PRODUCTION        | 2         | -                  | 400M                       | 200                      | 6m                             | 10n                                          | 4μ                               | Output       | 1.6m                               | 2.7                                   | 5.5                                   | -                                          |

|                | Description                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|----------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4417</b> | Low-Power, +3V/+5V, 400MHz Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 2         | -                  | 150M                       | 470                      | 6m                             | 10n                                          | 4μ                               | Output       | 1.6m                               | 2.7                                   | 5.5                                   | -            |
| <b>MAX4418</b> | Low-Power, +3V/+5V, 400MHz Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 4         | -                  | 400M                       | 200                      | 6m                             | 10n                                          | 4μ                               | Output       | 1.6m                               | 2.7                                   | 5.5                                   | -            |
| <b>MAX4419</b> | Low-Power, +3V/+5V, 400MHz Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 4         | -                  | 150M                       | 470                      | 6m                             | 10n                                          | 4μ                               | Output       | 1.6m                               | 2.7                                   | 5.5                                   | -            |
| <b>MAX4484</b> | Single/Dual /Quad, Low-Cost, Single-Supply 7MHz, Rail-to-Rail Op Amps      | PRODUCTION        | 1         | 7M                 | 7M                         | 20                       | 5m                             | 29n                                          | 100p                             | Output       | 1.9m                               | 2.7                                   | 5.5                                   | CMOS Inputs  |
| <b>MAX4486</b> | Single/Dual /Quad, Low-Cost, Single-Supply 7MHz, Rail-to-Rail Op Amps      | PRODUCTION        | 2         | 7M                 | 7M                         | 20                       | 7m                             | 29n                                          | 100p                             | Output       | 1.9m                               | 2.7                                   | 5.5                                   | CMOS Inputs  |
| <b>MAX4487</b> | Single/Dual /Quad, Low-Cost, Single-Supply 7MHz, Rail-to-Rail Op Amps      | PRODUCTION        | 4         | 7M                 | 7M                         | 20                       | 9m                             | 29n                                          | 100p                             | Output       | 1.9m                               | 2.7                                   | 5.5                                   | CMOS Inputs  |

|                | Description                                                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                               |
|----------------|-------------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------------------------|
| <b>MAX4412</b> | Low-Cost, Low-Power, Ultra-Small, 3V/5V, 500MHz Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 1         | -                  | 500M                       | 220                      | 9m                             | 13n                                          | 4μ                               | Output       | 1.7m                               | 2.7                                   | 5.5                                   | -                                                          |
| <b>MAX4413</b> | Low-Cost, Low-Power, Ultra-Small, 3V/5V, 500MHz Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 2         | -                  | 500M                       | 220                      | 9m                             | 13n                                          | 4μ                               | Output       | 1.7m                               | 2.7                                   | 5.5                                   | -                                                          |
| <b>LT1807</b>  | 325MHz, Dual, Rail-to-Rail Input and Output, Low Distortion, Low Noise Precision Op Amps        | PRODUCTION        | 2         | 325M               | -                          | 125                      | 550μ                           | 3.5n                                         | 4μ                               | Both         | 9m                                 | 2.5                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output, Shutdown |
| <b>LT1810</b>  | Dual 180MHz, 350V/μs Rail-to-Rail Input and Output Low Distortion Op Amps                       | PRODUCTION        | 2         | 160M               | 14M                        | 300                      | 2.5m                           | 16n                                          | 8μ                               | Both         | 12.5m                              | 2.3                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output, Shutdown |
| <b>LT1784</b>  | 2.5MHz, Over-The-Top Low Power, Rail-to-Rail Input and Output Op Amp in SOT-23                  | PRODUCTION        | 1         | 2.5M               | -                          | 2.1                      | 3.5m                           | 25n                                          | 500n                             | Both         | 500μ                               | 2                                     | 18                                    | Over-the-Top, Shutdown                                     |
| <b>MAX4480</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown                  | PRODUCTION        | 1         | 140k               | 140k                       | 80m                      | 5.5m                           | 100n                                         | 100p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs                                                |

|                | Description                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|----------------|--------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| <b>MAX4481</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 1         | 140k               | 140k                       | 80m                      | 5.5m                           | 100n                                         | 100p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs, Shutdown |
| <b>MAX4482</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 2         | 140k               | 140k                       | 80m                      | 5.5m                           | 100n                                         | 100p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX4483</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 4         | 140k               | 140k                       | 80m                      | 5.5m                           | 100n                                         | 100p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs           |
| <b>MAX4493</b> | SC70, Low-Power, General-Purpose, Dual-Supply, Rail-to-Rail Op Amps            | PRODUCTION        | 1         | 5M                 | 5M                         | 3                        | 5m                             | 8n                                           | 1μ                               | Output       | 770μ                               | 4.5                                   | 11                                    | -                     |
| <b>MAX4494</b> | SC70, Low-Power, General-Purpose, Dual-Supply, Rail-to-Rail Op Amps            | PRODUCTION        | 2         | 5M                 | 5M                         | 3                        | 5m                             | 8n                                           | 1μ                               | Output       | 770μ                               | 4.5                                   | 11                                    | -                     |
| <b>MAX4495</b> | SC70, Low-Power, General-Purpose, Dual-Supply, Rail-to-Rail Op Amps            | PRODUCTION        | 4         | 5M                 | 5M                         | 3                        | 5m                             | 8n                                           | 1μ                               | Output       | 770μ                               | 4.5                                   | 11                                    | -                     |

|                | Description                                                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                               |
|----------------|--------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------------------------|
| <b>MAX4430</b> | Dual-Supply, 180MHz, 16-Bit Accurate, Ultra-Low-Distortion Op Amps                         | PRODUCTION        | 1         | -                  | 180M                       | 100                      | 5m                             | 2.8n                                         | 30μ                              | In to V-     | 11m                                | 9                                     | 11                                    | -                                                          |
| <b>MAX4432</b> | Dual-Supply, 180MHz, 16-Bit Accurate, Ultra-Low-Distortion Op Amps                         | PRODUCTION        | 2         | -                  | 180M                       | 100                      | 5m                             | 2.8n                                         | 30μ                              | In to V-     | 11m                                | 9                                     | 11                                    | -                                                          |
| <b>LT1797</b>  | 10MHz, Rail-to-Rail Input and Output Op Amp in SOT-23                                      | PRODUCTION        | 1         | 10M                | -                          | 2.25                     | 1.5m                           | 20n                                          | 300n                             | Both         | 1.1m                               | 2.1                                   | 12.6                                  | -                                                          |
| <b>LT1806</b>  | 325MHz, Single, Rail-to-Rail Input and Output, Low Distortion, Low Noise Precision Op Amps | PRODUCTION        | 1         | 325M               | -                          | 125                      | 550μ                           | 3.5n                                         | 4μ                               | Both         | 9m                                 | 2.5                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output, Shutdown |
| <b>LT1881</b>  | Dual Rail-to-Rail Output, Picoamp Input Precision Op Amps                                  | PRODUCTION        | 2         | 1M                 | -                          | 350m                     | 50μ                            | 14n                                          | 200p                             | Output       | 650μ                               | 2.4                                   | 40                                    | Picoamp Input, Rail-to-Rail Output                         |
| <b>LT1882</b>  | Quad Rail-to-Rail Output, Picoamp Input Precision Op Amps                                  | PRODUCTION        | 4         | 1M                 | -                          | 350m                     | 80μ                            | 14n                                          | 500p                             | Output       | 650μ                               | 2.4                                   | 40                                    | Picoamp Input, Rail-to-Rail Output                         |
| <b>MAX4265</b> | Ultra-Low-Distortion, Single-Supply, 300MHz Op Amps with Enable                            | PRODUCTION        | 1         | -                  | 400M                       | 900                      | 9m                             | 8n                                           | 40μ                              | -            | 28m                                | 4.5                                   | 8                                     | -                                                          |

|                  | Description                                                                 | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                                               |
|------------------|-----------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------------------------|
| <b>MAX4321</b>   | Low-Cost, Low-Voltage, Rail-to-Rail, Input/Output, SOT23 5MHz Op Amp        | PRODUCTION                  | 1         | 5M                 | 5M                         | 2                        | 3.5m                           | 22n                                          | 150n                             | Both             | 650μ                               | 2.4                                   | 6.5                                   | -                                                          |
| <b>LT1809</b>    | Single 180MHz, 350V/μs Rail-to-Rail Input and Output Low Distortion Op Amps | PRODUCTION                  | 1         | 160M               | 14M                        | 300                      | 2.5m                           | 16n                                          | 8μ                               | Both             | 12.5m                              | 2.5                                   | 12.6                                  | Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output, Shutdown |
| <b>LT1885</b>    | Dual/Quad Rail-to-Rail Output, Picoamp Input Precision Op Amps              | PRODUCTION                  | 4         | 2M                 | -                          | 900m                     | 80μ                            | 9.5n                                         | 900p                             | Output           | 650μ                               | 2.4                                   | 40                                    | Picoamp Input, Rail-to-Rail Output                         |
| <b>LTC2051</b>   | Dual Zero-Drift Operational Amplifiers                                      | PRODUCTION                  | 2         | 3M                 | -                          | 2                        | 3μ                             | -                                            | 75p                              | In to V-, Output | 850μ                               | 2.7                                   | 6                                     | Shutdown                                                   |
| <b>LTC2051HV</b> | Dual Zero-Drift Operational Amplifiers                                      | PRODUCTION                  | 2         | 3M                 | -                          | 2                        | 3μ                             | -                                            | 75p                              | In to V-, Output | 850μ                               | 2.7                                   | 11                                    | Shutdown                                                   |
| <b>LT1469</b>    | Dual 90MHz, 22V/μs 16-Bit Accurate Operational Amplifier                    | RECOMMENDED FOR NEW DESIGNS | 2         | 90M                | 350k                       | 22                       | 125μ                           | 5n                                           | 40n                              | -                | 4.1m                               | 6                                     | 36                                    | Op Amp                                                     |
| <b>LT1469-2</b>  | Dual 200MHz, 30V/μs 16-Bit Accurate AV ≥ 2 Op Amp                           | RECOMMENDED FOR NEW DESIGNS | 2         | 200M               | -                          | 30                       | 125μ                           | 5n                                           | 10n                              | -                | 4.1m                               | 10                                    | 36                                    | -                                                          |
| <b>LT1677</b>    | Low Noise, Rail-to-Rail Precision Op Amp                                    | PRODUCTION                  | 1         | 7.2M               | -                          | 2.5                      | 60μ                            | 3.2n                                         | 20n                              | Both             | 2.75m                              | 2.7                                   | 44                                    | Precision Op Amp, Rail-to-Rail Inputs, Rail-to-Rail Output |



|                | Description                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                       |
|----------------|--------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|
| <b>LT1884</b>  | Dual/Quad Rail-to-Rail Output, Picoamp Input Precision Op Amps                 | PRODUCTION        | 2         | 2M                 | -                          | 900m                     | 50μ                            | 9.5n                                         | 400p                             | Output       | 650μ                               | 2.4                                   | 40                                    | Picoamp Input, Rail-to-Rail Output |
| <b>LT1395</b>  | Single 400MHz Current Feedback Amplifier                                       | PRODUCTION        | 1         | -                  | 400M                       | 800                      | 12m                            | 4.5n                                         | -                                | -            | 4.6m                               | 3                                     | 12.6                                  | Op Amp, Shutdown                   |
| <b>MAX4291</b> | Ultra-Small, +1.8V, μPower, Rail-to-Rail I/O Op Amps                           | PRODUCTION        | 1         | 500k               | 500k                       | 200m                     | 2.5m                           | 70n                                          | 55n                              | Both         | 100μ                               | 1.8                                   | 5.5                                   | -                                  |
| <b>MAX4292</b> | Ultra-Small, +1.8V, μPower, Rail-to-Rail I/O Op Amps                           | PRODUCTION        | 2         | 500k               | 500k                       | 200m                     | 2.5m                           | 70n                                          | 55n                              | Both         | 100μ                               | 1.8                                   | 5.5                                   | -                                  |
| <b>MAX4294</b> | Ultra-Small, +1.8V, μPower, Rail-to-Rail I/O Op Amps                           | PRODUCTION        | 4         | 500k               | 500k                       | 200m                     | 2.5m                           | 70n                                          | 55n                              | Both         | 100μ                               | 1.8                                   | 5.5                                   | -                                  |
| <b>MAX4400</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 1         | 800k               | 800k                       | 1                        | 4.5m                           | 36n                                          | 100p                             | Output       | 320μ                               | 2.5                                   | 5.5                                   | CMOS Inputs                        |
| <b>MAX4401</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 1         | 800k               | 800k                       | 1                        | 4.5m                           | 36n                                          | 100p                             | Output       | 320μ                               | 2.5                                   | 5.5                                   | CMOS Inputs, Shutdown              |

|                | Description                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features           |
|----------------|--------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------|
| <b>MAX4402</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 2         | 800k               | 800k                       | 1                        | 5.5m                           | 36n                                          | 100p                             | Output           | 320μ                               | 2.5                                   | 5.5                                   | CMOS Inputs            |
| <b>MAX4403</b> | Single/Dual /Quad, Low-Cost, Single-Supply, Rail-to-Rail Op Amps with Shutdown | PRODUCTION        | 4         | 800k               | 800k                       | 1                        | 5.5m                           | 36n                                          | 100p                             | Output           | 320μ                               | 2.5                                   | 5.5                                   | CMOS Inputs            |
| <b>LT1812</b>  | 3mA, 100MHz, 750V/μs Operational Amplifier with Shutdown                       | PRODUCTION        | 1         | 100M               | 40M                        | 750                      | 1.5m                           | 8n                                           | 4μ                               | -                | 3m                                 | 2.5                                   | 12.6                                  | Shutdown               |
| <b>LTC2050</b> | Zero-Drift Operational Amplifiers in SOT-23                                    | PRODUCTION        | 1         | 3M                 | -                          | 2                        | 3μ                             | -                                            | 75p                              | In to V-, Output | 800μ                               | 2.7                                   | 6                                     | Shutdown               |
| <b>LT1396</b>  | Dual 400MHz Current Feedback Amplifier                                         | PRODUCTION        | 2         | -                  | 400M                       | 800                      | 12m                            | 4.5n                                         | -                                | -                | 4.6m                               | 3                                     | 12.6                                  | Op Amp, Shutdown       |
| <b>LT1886</b>  | Dual 700MHz, 200mA Operational Amplifier                                       | PRODUCTION        | 2         | 700M               | -                          | 200                      | 4m                             | 6n                                           | 4μ                               | -                | 7m                                 | 4                                     | 13.2                                  | Line Drivers           |
| <b>LT1782</b>  | Micropower, Over-The-Top SOT-23, Rail-to-Rail Input and Output Op Amp          | PRODUCTION        | 1         | 200k               | -                          | 70m                      | 800μ                           | 50n                                          | 15n                              | Both             | 40μ                                | 2.2                                   | 18                                    | Over-the-Top, Shutdown |

|                | Description                                                                      | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features           |
|----------------|----------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------|
| <b>LT1783</b>  | 1.25MHz, Over-The-Top Micropower, Rail-to-Rail Input and Output Op Amp in SOT-23 | PRODUCTION        | 1         | 1.25M              | -                          | 420m                     | 800μ                           | 20n                                          | 80n                              | Both         | 210μ                               | 2.2                                   | 18                                    | Over-the-Top, Shutdown |
| <b>LT1637</b>  | 1.1MHz, 0.4V/μs Over-The-Top Micropower, Rail-To-Rail Input and Output Op Amp    | PRODUCTION        | 1         | 1M                 | -                          | 350m                     | 350μ                           | 27n                                          | 50n                              | Both         | 190μ                               | 2.7                                   | 44                                    | Over-the-Top, Shutdown |
| <b>MAX4076</b> | Micropower, SOT23, Rail-to-Rail, Fixed-Gain GainAmp/Open-Loop Op Amps            | PRODUCTION        | 1         | 230k               | 230k                       | 90m                      | 3.5m                           | 110n                                         | 200p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs            |
| <b>MAX4077</b> | Micropower, SOT23, Rail-to-Rail, Fixed-Gain GainAmp/Open-Loop Op Amps            | PRODUCTION        | 2         | 230k               | 230k                       | 90m                      | 3.5m                           | 110n                                         | 200p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs            |
| <b>MAX4078</b> | Micropower, SOT23, Rail-to-Rail, Fixed-Gain GainAmp/Open-Loop Op Amps            | PRODUCTION        | 4         | 230k               | 230k                       | 90m                      | 3.5m                           | 110n                                         | 200p                             | Output       | 45μ                                | 2.5                                   | 5.5                                   | CMOS Inputs            |
| <b>MAX4450</b> | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs   | PRODUCTION        | 1         | -                  | 210M                       | 485                      | 26m                            | 10n                                          | 20μ                              | Output       | 6.5m                               | 4.5                                   | 11                                    | -                      |
| <b>MAX4451</b> | Ultra-Small, Low-Cost, 210MHz, Single-Supply Op Amps with Rail-to-Rail Outputs   | PRODUCTION        | 2         | -                  | 210M                       | 485                      | 26m                            | 10n                                          | 20μ                              | Output       | 6.5m                               | 4.5                                   | 11                                    | -                      |

|                | Description                                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew <sub>typ</sub><br>Rate | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|---------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|-----------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4490</b> | Low-Cost, High-Slew-Rate, Rail-to-Rail I/O Op Amps in SC70          | PRODUCTION        | 1         | 10M                | 10M                        | 10                          | 10m                            | 12n                                          | 2.5n                             | Both         | 800μ                               | 2.7                                   | 5.5                                   | -            |
| <b>MAX4491</b> | Low-Cost, High-Slew-Rate, Rail-to-Rail I/O Op Amps in SC70          | PRODUCTION        | 2         | 10M                | 10M                        | 10                          | 10m                            | 12n                                          | 2.5n                             | Both         | 800μ                               | 2.7                                   | 5.5                                   | -            |
| <b>MAX4492</b> | Low-Cost, High-Slew-Rate, Rail-to-Rail I/O Op Amps in SC70          | PRODUCTION        | 4         | 10M                | 10M                        | 10                          | 10m                            | 12n                                          | 2.5n                             | Both         | 800μ                               | 2.7                                   | 5.5                                   | -            |
| <b>LT1369</b>  | Quad Precision Rail-to-Rail Input and Output Op Amps                | PRODUCTION        | 4         | 160k               | -                          | 65m                         | 800μ                           | 29n                                          | 35n                              | Both         | 340μ                               | 2                                     | 36                                    | -            |
| <b>LT1466L</b> | Micropower Dual/Quad Precision Rail-to-Rail Input and Output Op Amp | PRODUCTION        | 2         | 120k               | -                          | 40m                         | 390μ                           | 45n                                          | 14n                              | Both         | 60μ                                | 2                                     | 16                                    | -            |
| <b>LT1467L</b> | Micropower Dual/Quad Precision Rail-to-Rail Input and Output Op Amp | PRODUCTION        | 4         | 120k               | -                          | 40m                         | 390μ                           | 45n                                          | 14n                              | Both         | 60μ                                | 2                                     | 16                                    | -            |
| <b>LT1491A</b> | Quad Over-The-Top Micropower Rail-to-Rail Input and Output Op Amps  | PRODUCTION        | 4         | 180k               | -                          | 60m                         | 1m                             | 50n                                          | 8n                               | Both         | 40μ                                | 2                                     | 44                                    | Over-the-Top |

|         | Description                                                               | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------|---------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| LT1492  | 5MHz, 3V/μs, Low Power Single Supply, Dual and Quad Precision Op Amps     | PRODUCTION        | 2         | 4.5M               | -                          | 1.8                      | 180μ                           | 16.5n                            | 100n                             | In to V-     | 425μ                               | 2.1                                   | 36                                    | -                |
| LT1493  | 5MHz, 3V/μs, Low Power Single Supply, Dual and Quad Precision Op Amps     | PRODUCTION        | 4         | 4.5M               | -                          | 1.8                      | 130μ                           | 16.5n                            | 100n                             | In to V-     | 425μ                               | 2.1                                   | 36                                    | -                |
| LT1497  | Dual 125mA, 50MHz Current Feedback Amplifier                              | PRODUCTION        | 2         | -                  | 59M                        | 900                      | 15m                            | 3n                               | -                                | -            | 6m                                 | 4                                     | 36                                    | Video Amplifiers |
| LT1498  | 10MHz, 6V/μs, Dual Rail-to-Rail Input and Output Precision C-Load Op Amps | PRODUCTION        | 2         | 10.5M              | -                          | 4.5                      | 475μ                           | 12n                              | 650n                             | Both         | 1.7m                               | 2.2                                   | 36                                    | -                |
| LT1499  | 10MHz, 6V/μs, Quad Rail-to-Rail Input and Output Precision C-Load Op Amps | PRODUCTION        | 4         | 10.5M              | -                          | 4.5                      | 475μ                           | 12n                              | 650n                             | Both         | 1.7m                               | 2.2                                   | 36                                    | -                |
| RH1498M | 10MHz, 6V/μs, Dual Rail-to-Rail Input and Output Precision C-Load Op Amp  | PRODUCTION        | 2         | 10M                | -                          | 6                        | 800μ                           | 12n                              | 250n                             | Both         | 1.8m                               | 4.5                                   | 36                                    | -                |
| RH1499M | 10MHz, 6V/μs, Quad Rail-to-Rail Input and Output Precision C-Load Op Amp  | PRODUCTION        | 4         | 10M                | -                          | 6                        | 800μ                           | 12n                              | 250n                             | Both         | 1.8m                               | 4.5                                   | 36                                    | -                |

|                 | Description                                             | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features             |
|-----------------|---------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------|
| <b>LT1795</b>   | Dual 500mA/50MHz Current Feedback Line Driver Amplifier | PRODUCTION        | 2         | -                  | 65M                        | 900                      | 13m                            | 3.6n                                         | 5μ                               | -            | 29m                                | 10                                    | 36                                    | Shutdown                 |
| <b>LT1114</b>   | Dual/Quad Low Power Precision, Picoamp Input Op Amps    | PRODUCTION        | 4         | 750k               | -                          | 300m                     | 60μ                            | 14n                                          | 250p                             | -            | 350μ                               | 2                                     | 40                                    | Picoamp Input            |
| <b>LT1219</b>   | Precision Rail-to-Rail Input and Output Op Amp          | LAST TIME BUY     | 1         | 150k               | -                          | 50m                      | 90μ                            | 33n                                          | 70n                              | Both         | 370μ                               | 2                                     | 36                                    | C-Load Stable, Shutdown  |
| <b>LT1219L</b>  | Precision Rail-to-Rail Input and Output Op Amps         | PRODUCTION        | 1         | 150k               | -                          | 50m                      | 90μ                            | 33n                                          | 70n                              | Both         | 370μ                               | 2                                     | 16                                    | C-Load Stable, Shutdown  |
| <b>LT1813</b>   | Dual 3mA, 100MHz, 750V/μs Operational Amplifier         | PRODUCTION        | 2         | 100M               | 200M                       | 750                      | 1.5m                           | 8n                                           | 4μ                               | -            | 3m                                 | 2.5                                   | 12.6                                  | Op Amp, Video Amplifiers |
| <b>LT1813HV</b> | Dual 3mA, 100MHz, 750V/μs Operational Amplifier         | PRODUCTION        | 2         | 100M               | 200M                       | 750                      | 1.5m                           | 8n                                           | 4μ                               | -            | 3m                                 | 2.5                                   | 13.5                                  | Op Amp, Video Amplifiers |
| <b>MAX406</b>   | Single, Dual, Quad, 1.2μA Max, Single-Supply Op Amps    | PRODUCTION        | 1         | 4k                 | 4k                         | 5m                       | 500μ                           | 150n                                         | 10p                              | Output       | 1μ                                 | 2.5                                   | 10                                    | CMOS Inputs              |
| <b>MAX407</b>   | Single, Dual, Quad, 1.2μA Max, Single-Supply Op Amps    | PRODUCTION        | 2         | 4k                 | 8k                         | 5m                       | 3m                             | 150n                                         | 10p                              | Output       | 1μ                                 | 2.5                                   | 10                                    | CMOS Inputs              |

|                | Description                                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                 |
|----------------|---------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------|
| <b>MAX409</b>  | Single, Dual, Quad, 1.2μA Max, Single-Supply Op Amps                | PRODUCTION        | 1         | 150k               | 150k                       | 80m                      | 500μ                           | 150n                                         | 10p                              | Output           | 1μ                                 | 2.5                                   | 10                                    | CMOS Inputs                  |
| <b>MAX410</b>  | Single/Dual /Quad, 28MHz, Low-Noise, Low-Voltage, Precision Op Amps | PRODUCTION        | 1         | 28M                | 28M                        | 4.5                      | 250μ                           | 1.5n                                         | 150n                             | -                | 2.5m                               | 2.4                                   | 10.5                                  | -                            |
| <b>MAX412</b>  | Single/Dual /Quad, 28MHz, Low-Noise, Low-Voltage, Precision Op Amps | PRODUCTION        | 2         | 28M                | 28M                        | 4.5                      | 250μ                           | 1.5n                                         | 150n                             | -                | 2.5m                               | 2.4                                   | 10.5                                  | -                            |
| <b>MAX414</b>  | Single/Dual /Quad, 28MHz, Low-Noise, Low-Voltage, Precision Op Amps | PRODUCTION        | 4         | 28M                | -                          | 4.5                      | 350μ                           | 1.8n                                         | 150n                             | -                | -                                  | 4.8                                   | 10.5                                  | -                            |
| <b>MAX417</b>  | Single, Dual, Quad, 1.2μA Max, Single-Supply Op Amps                | PRODUCTION        | 2         | 150k               | 150k                       | 80m                      | 3m                             | 150n                                         | 10p                              | Output           | 1μ                                 | 2.5                                   | 10                                    | CMOS Inputs                  |
| <b>LTC1050</b> | Precision Zero-Drift Operational Amplifier with Internal Capacitors | PRODUCTION        | 1         | 2.5M               | -                          | 4                        | 5μ                             | 90n                                          | 30p                              | In to V-, Output | 1m                                 | 4.75                                  | 18                                    | -                            |
| <b>LT1124</b>  | Dual Low Noise, High Speed Precision Op Amps                        | PRODUCTION        | 2         | 12.5M              | -                          | 4.5                      | 70μ                            | 2.7n                                         | 20n                              | -                | 2.3m                               | 8                                     | 44                                    | High Speed, Precision Op Amp |

|               | Description                                                               | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------------|---------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>MAX492</b> | Single/Dual /Quad, Micropower, Single-Supply, Rail-to-Rail Op Amps        | PRODUCTION        | 2         | 500k               | 500k                       | 200m                     | 500μ                           | 25n                                          | 60n                              | Both         | 150μ                               | 2.7                                   | 6                                     | -                |
| <b>MAX494</b> | Single/Dual /Quad, Micropower, Single-Supply, Rail-to-Rail Op Amps        | PRODUCTION        | 4         | 500k               | 500k                       | 200m                     | 500μ                           | 25n                                          | 60n                              | Both         | 150μ                               | 2.7                                   | 6                                     | -                |
| <b>LT1792</b> | Low Noise, Precision, JFET Input Op Amp                                   | PRODUCTION        | 1         | 5.6M               | -                          | 3.4                      | 600μ                           | 4.2n                                         | 800p                             | -            | 4.2m                               | 10                                    | 40                                    | JFET Input       |
| <b>LT1793</b> | Low Noise, Picoampere Bias Current, JFET Input Op Amp                     | PRODUCTION        | 1         | 4.2M               | -                          | 3.4                      | 800μ                           | 6n                                           | 10p                              | -            | 4.2m                               | 10                                    | 40                                    | JFET Input       |
| <b>LT1397</b> | Quad 400MHz Current Feedback Amplifier                                    | PRODUCTION        | 4         | -                  | 400M                       | 800                      | 12m                            | 4.5n                                         | -                                | -            | 4.6m                               | 3                                     | 12.6                                  | Op Amp, Shutdown |
| <b>LT1398</b> | Low Cost Dual and Triple 300MHz Current Feedback Amplifiers with Shutdown | LAST TIME BUY     | 2         | -                  | 300M                       | 800                      | 10m                            | 4.5n                                         | -                                | -            | 4.6m                               | 4                                     | 12.6                                  | Op Amp, Shutdown |
| <b>LT1399</b> | Low Cost Dual and Triple 300MHz Current Feedback Amplifiers with Shutdown | PRODUCTION        | 3         | -                  | 300M                       | 800                      | 10m                            | 4.5n                                         | -                                | -            | 4.6m                               | 4                                     | 12.6                                  | Op Amp, Shutdown |



|                 | Description                                                                  | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|-----------------|------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>LT1399HV</b> | Low Cost Dual and Triple 300MHz Current Feedback Amplifiers with Shutdown    | PRODUCTION                  | 3         | -                  | 300M                       | 800                      | 10m                            | 4.5n                                         | -                                | -            | 4.6m                               | 4                                     | 15.5                                  | Op Amp, Shutdown |
| <b>MAX4281</b>  | SOT23, Rail-to-Rail, Fixed-Gain GainAmps/Open-Loop Op Amps                   | PRODUCTION                  | 1         | 2M                 | 2M                         | 700m                     | 2m                             | 90n                                          | 10n                              | Output       | 300μ                               | 2.5                                   | 5.5                                   | -                |
| <b>MAX4282</b>  | SOT23, Rail-to-Rail, Fixed-Gain GainAmps/Open-Loop Op Amps                   | PRODUCTION                  | 2         | 2M                 | 2M                         | 700m                     | 2m                             | 90n                                          | 10n                              | Output       | 300μ                               | 2.5                                   | 5.5                                   | -                |
| <b>LT1468</b>   | 90MHz, 22V/μs 16-Bit Accurate Operational Amplifier                          | PRODUCTION                  | 1         | 90M                | 900k                       | 22                       | 75μ                            | 5n                                           | 40n                              | -            | 3.6m                               | 6                                     | 36                                    | Op Amp           |
| <b>LT1468-2</b> | 200MHz, 30V/μs 16-Bit Accurate AV ≥ 2 Op Amp                                 | RECOMMENDED FOR NEW DESIGNS | 1         | 200M               | -                          | 30                       | 75μ                            | 5n                                           | 10n                              | -            | 3.9m                               | 10                                    | 36                                    | -                |
| <b>MAX4322</b>  | Single/Dual /Quad, Low-Cost, UCSP/SOT23, Low-Power, Rail-to-Rail I/O Op Amps | PRODUCTION                  | 1         | 5M                 | 5M                         | 2                        | 2.5m                           | 22n                                          | 150n                             | Both         | 730μ                               | 2.4                                   | 6.5                                   | -                |
| <b>MAX4323</b>  | Single/Dual /Quad, Low-Cost, UCSP/SOT23, Low-Power, Rail-to-Rail I/O Op Amps | PRODUCTION                  | 1         | 5M                 | 5M                         | 2                        | 2.5m                           | 22n                                          | 150n                             | Both         | 730μ                               | 2.4                                   | 6.5                                   | Shutdown         |

|                | Description                                                                  | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features       |
|----------------|------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------|
| <b>MAX4326</b> | Single/Dual /Quad, Low-Cost, UCSP/SOT23, Low-Power, Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 5M                 | 5M                         | 2                        | 2.5m                           | 22n                                          | 150n                             | Both             | 730μ                               | 2.4                                   | 6.5                                   | -                  |
| <b>MAX4327</b> | Single/Dual /Quad, Low-Cost, UCSP/SOT23, Low-Power, Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 5M                 | 5M                         | 2                        | 2m                             | 22n                                          | 150n                             | Both             | 730μ                               | 2.4                                   | 6.5                                   | Shutdown           |
| <b>LTC1542</b> | Micropower Op Amp, Comparator and Reference                                  | PRODUCTION        | 2         | 12k                | -                          | 8                        | 700μ                           | -                                            | 1n                               | In to V-, Output | 5μ                                 | 2.5                                   | 12.6                                  | Comparator, Op Amp |
| <b>MAX4040</b> | Single/Dual /Quad, Low-Cost, SOT23, Micropower Rail-to-Rail I/O Op Amps      | PRODUCTION        | 1         | 90k                | 90k                        | 40m                      | 1.5m                           | 70n                                          | 10n                              | Both             | 12μ                                | 2.4                                   | 5.5                                   | -                  |
| <b>MAX4041</b> | Single/Dual /Quad, Low-Cost, SOT23, Micropower Rail-to-Rail I/O Op Amps      | PRODUCTION        | 1         | 90k                | 90k                        | 40m                      | 1.5m                           | 70n                                          | 10n                              | Both             | 12μ                                | 2.4                                   | 5.5                                   | Shutdown           |
| <b>MAX4042</b> | Single/Dual /Quad, Low-Cost, SOT23, Micropower Rail-to-Rail I/O Op Amps      | PRODUCTION        | 2         | 90k                | 90k                        | 40m                      | 1.5m                           | 70n                                          | 10n                              | Both             | 12μ                                | 2.4                                   | 5.5                                   | -                  |

|                | Description                                                             | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|-------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4043</b> | Single/Dual /Quad, Low-Cost, SOT23, Micropower Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 90k                | 90k                        | 40m                      | 1.5m                           | 70n                                          | 10n                              | Both         | 12μ                                | 2.4                                   | 5.5                                   | Shutdown     |
| <b>LT1630</b>  | 30MHz, 10V/μs, Dual Rail-to-Rail Input and Output Precision Op Amps     | PRODUCTION        | 2         | 30M                | -                          | 9.2                      | 525μ                           | 6n                                           | 1μ                               | Both         | 3.5m                               | 2.6                                   | 36                                    | -            |
| <b>LT1631</b>  | 30MHz, 10V/μs, Quad Rail-to-Rail Input and Output Precision Op Amps     | PRODUCTION        | 4         | 30M                | -                          | 9.2                      | 525μ                           | 6n                                           | 1μ                               | Both         | 3.5m                               | 2.6                                   | 36                                    | -            |
| <b>LT1632</b>  | 45MHz, 45V/μs, Dual Rail-to-Rail Input and Output Precision Op Amps     | PRODUCTION        | 2         | 45M                | -                          | 27                       | 1.35m                          | 12n                                          | 2.2μ                             | Both         | 4.3m                               | 2.6                                   | 36                                    | -            |
| <b>LT1633</b>  | 45MHz, 45V/μs, Quad Rail-to-Rail Input and Output Precision Op Amps     | PRODUCTION        | 4         | 45M                | -                          | 27                       | 1.35m                          | 12n                                          | 2.2μ                             | Both         | 4.3m                               | 2.6                                   | 36                                    | -            |
| <b>LT1214</b>  | 28MHz, 12V/μs, Single Supply Quad Precision Op Amps                     | PRODUCTION        | 4         | 28M                | -                          | 8.5                      | 275μ                           | 10n                                          | 200n                             | In to V-     | 2.7m                               | 2.5                                   | 36                                    | -            |
| <b>LT1216</b>  | 23MHz, 50V/μs, Single Supply Quad Precision Op Amps                     | LAST TIME BUY     | 4         | 23M                | -                          | 30                       | 450μ                           | 12n                                          | 600n                             | In to V-     | 4.75m                              | 2.5                                   | 36                                    | -            |

|                | Description                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|----------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4240</b> | Single/Dual /Quad, +1.8V/10μA, SOT23, Beyond-the-Rails Op Amps | PRODUCTION        | 1         | 90k                | 90k                        | 40m                      | 1.4m                           | 70n                                          | 6n                               | Both         | 14μ                                | 1.8                                   | 5.5                                   | -            |
| <b>MAX4241</b> | Single/Dual /Quad, +1.8V/10μA, SOT23, Beyond-the-Rails Op Amps | PRODUCTION        | 1         | 90k                | 90k                        | 40m                      | 750μ                           | 70n                                          | 6n                               | Both         | 14μ                                | 1.8                                   | 5.5                                   | Shutdown     |
| <b>MAX4242</b> | Single/Dual /Quad, +1.8V/10μA, SOT23, Beyond-the-Rails Op Amps | PRODUCTION        | 2         | 90k                | 90k                        | 40m                      | 880μ                           | 70n                                          | 6n                               | Both         | 14μ                                | 1.8                                   | 5.5                                   | -            |
| <b>MAX4243</b> | Single/Dual /Quad, +1.8V/10μA, SOT23, Beyond-the-Rails Op Amps | PRODUCTION        | 2         | 90k                | 90k                        | 40m                      | 880μ                           | 70n                                          | 6n                               | Both         | 14μ                                | 1.8                                   | 5.5                                   | Shutdown     |
| <b>MAX4104</b> | 740MHz, Low-Noise, Low-Distortion Op Amps in SOT23-5           | PRODUCTION        | 1         | -                  | 625M                       | 400                      | 6m                             | 2.1n                                         | 70μ                              | -            | 20m                                | 7                                     | 11                                    | -            |
| <b>MAX4105</b> | 740MHz, Low-Noise, Low-Distortion Op Amps in SOT23-5           | PRODUCTION        | 1         | -                  | 410M                       | 1.4k                     | 6m                             | 2.1n                                         | 70μ                              | -            | 20m                                | 7                                     | 11                                    | -            |

|         | Description                                                          | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew <sub>typ</sub><br>Rate | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|---------|----------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|-----------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| MAX4249 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 2         | 22M                | 22M                        | 2.1                         | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4250 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 1         | 3M                 | 3M                         | 300m                        | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs           |
| MAX4251 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 1         | 3M                 | 3M                         | 300m                        | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4252 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 2         | 3M                 | 3M                         | 300m                        | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs           |
| MAX4253 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 2         | 3M                 | 3M                         | 300m                        | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs, Shutdown |
| MAX4255 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 1         | 22M                | 22M                        | 2.1                         | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs           |
| MAX4256 | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps | PRODUCTION        | 1         | 22M                | 22M                        | 2.1                         | 750μ                           | 8.9n                                         | 100p                             | Output       | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs           |

|                | Description                                                           | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                  |
|----------------|-----------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------|
| <b>MAX4257</b> | UCSP, Single-Supply, Low-Noise, Low-Distortion, Rail-to-Rail Op Amps  | PRODUCTION        | 2         | 22M                | 22M                        | 2.1                      | 750μ                           | 8.9n                                         | 100p                             | Output           | 420μ                               | 2.4                                   | 5.5                                   | CMOS Inputs                   |
| <b>MAX4304</b> | 740MHz, Low-Noise, Low-Distortion Op Amps in SOT23-5                  | PRODUCTION        | 1         | -                  | 740M                       | 1k                       | 6m                             | 2.1n                                         | 70μ                              | -                | 20m                                | 7                                     | 11                                    | -                             |
| <b>MAX4305</b> | 740MHz, Low-Noise, Low-Distortion Op Amps in SOT23-5                  | PRODUCTION        | 1         | -                  | 340M                       | 1.4k                     | 6m                             | 2.1n                                         | 70μ                              | -                | 20m                                | 7                                     | 11                                    | -                             |
| <b>LT1002</b>  | Dual, Matched Precision Operational Amplifier                         | PRODUCTION        | 2         | 800k               | -                          | 250m                     | 60μ                            | 9.6n                                         | 3n                               | -                | 1.53m                              | 6                                     | 44                                    | Matched Precision Amplifier   |
| <b>LT1006</b>  | Precision, Single Supply Op Amp                                       | PRODUCTION        | 1         | 600k               | -                          | 400m                     | 50μ                            | 22n                                          | 15n                              | In to V-         | 340μ                               | 4                                     | 44                                    | Precision Op Amp              |
| <b>LT1635</b>  | Micropower Rail-to-Rail Op Amp and Reference                          | PRODUCTION        | 1         | 175k               | -                          | 45m                      | 1.3m                           | 50n                                          | 4.5n                             | In to V-, Output | 130μ                               | 1.1                                   | 14                                    | Op Amp, Reference             |
| <b>LTC1541</b> | Micropower Op Amp, Comparator and Reference                           | PRODUCTION        | 2         | 12k                | -                          | -                        | 700μ                           | -                                            | 1n                               | In to V-, Output | 5μ                                 | 2.5                                   | 12.6                                  | Comparator, Op Amp, Reference |
| <b>MAX4012</b> | Low-Cost, High-Speed, Single-Supply Op Amps with Rail-to-Rail Outputs | PRODUCTION        | 1         | -                  | 200M                       | 600                      | 20m                            | 10n                                          | 20μ                              | Output           | 5.5m                               | 3.15                                  | 11                                    | -                             |

|                | Description                                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|------------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4016</b> | Low-Cost, High-Speed, Single-Supply Op Amps with Rail-to-Rail Outputs                          | PRODUCTION        | 2         | -                  | 150M                       | 600                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -            |
| <b>MAX4018</b> | Low-Cost, High-Speed, Single-Supply Op Amps with Rail-to-Rail Outputs                          | PRODUCTION        | 3         | -                  | 150M                       | 600                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -            |
| <b>MAX4020</b> | Low-Cost, High-Speed, Single-Supply Op Amps with Rail-to-Rail Outputs                          | PRODUCTION        | 4         | -                  | 150M                       | 600                      | 20m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -            |
| <b>MAX4162</b> | UCSP, Micropower, Single-Supply, 10V, Rail-to-Rail I/O Op Amps                                 | PRODUCTION        | 1         | 200k               | 200k                       | 115m                     | 3m                             | 80n                                          | 100p                             | Both         | 25μ                                | 2.5                                   | 10                                    | CMOS Inputs  |
| <b>MAX4163</b> | UCSP, Micropower, Single-Supply, 10V, Rail-to-Rail I/O Op Amps                                 | PRODUCTION        | 2         | 200k               | 200k                       | 115m                     | 4m                             | 80n                                          | 100p                             | Both         | 25μ                                | 2.5                                   | 10                                    | CMOS Inputs  |
| <b>MAX4165</b> | High-Output-Drive, Precision, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 1         | 5M                 | 5M                         | 2                        | 850μ                           | 26n                                          | 150n                             | Both         | 1.3m                               | 2.7                                   | 6.5                                   | Shutdown     |

|                | Description                                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|------------------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4166</b> | High-Output-Drive, Precision, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 1         | 5M                 | 5M                         | 2                        | 850μ                           | 26n                                          | 150n                             | Both         | 1.3m                               | 2.7                                   | 6.5                                   | Shutdown     |
| <b>MAX4167</b> | High-Output-Drive, Precision, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 2         | 5M                 | 5M                         | 2                        | 850μ                           | 26n                                          | 150n                             | Both         | 1.3m                               | 2.7                                   | 6.5                                   | Shutdown     |
| <b>MAX4168</b> | High-Output-Drive, Precision, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 2         | 5M                 | 5M                         | 2                        | 850μ                           | 26n                                          | 150n                             | Both         | 1.3m                               | 2.7                                   | 6.5                                   | Shutdown     |
| <b>MAX4223</b> | 1GHz, Low-Power, SOT23, Current Feedback Amplifiers with Shutdown                              | PRODUCTION        | 1         | -                  | 1G                         | 1.1k                     | 4m                             | 2n                                           | 10μ                              | -            | 6m                                 | 5.7                                   | 11                                    | Shutdown     |
| <b>MAX4224</b> | 1GHz, Low-Power, SOT23, Current Feedback Amplifiers with Shutdown                              | PRODUCTION        | 1         | -                  | 600M                       | 1.7k                     | 4m                             | 2n                                           | 10μ                              | -            | 6m                                 | 5.7                                   | 11                                    | Shutdown     |



|         | Description                                                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>-3dB typ</sub> | Slew Rate <sub>typ</sub> | V <sub>os max</sub> | V <sub>Noise typ</sub><br>Density | I <sub>bias max</sub> | Rail to Rail | I <sub>q/Amp typ</sub> | V <sub>s min span</sub> | V <sub>s max span</sub> | Amp Features |
|---------|-------------------------------------------------------------------------------------|-------------------|-----------|--------------------|------------------------|--------------------------|---------------------|-----------------------------------|-----------------------|--------------|------------------------|-------------------------|-------------------------|--------------|
| MAX4225 | 1GHz, Low-Power, SOT23, Current Feedback Amplifiers with Shutdown                   | PRODUCTION        | 2         | -                  | 1G                     | 1.1k                     | 5m                  | 2n                                | 10μ                   | -            | 6m                     | 5.7                     | 11                      | Shutdown     |
| MAX4226 | 1GHz, Low-Power, SOT23, Current Feedback Amplifiers with Shutdown                   | PRODUCTION        | 2         | -                  | 1G                     | 1.1k                     | 5m                  | 2n                                | 10μ                   | -            | 6m                     | 5.7                     | 11                      | Shutdown     |
| MAX4227 | 1GHz, Low-Power, SOT23, Current Feedback Amplifiers with Shutdown                   | PRODUCTION        | 2         | -                  | 600M                   | 1.7k                     | 5m                  | 2n                                | 10μ                   | -            | 6m                     | 5.7                     | 11                      | Shutdown     |
| MAX4228 | 1GHz, Low-Power, SOT23, Current Feedback Amplifiers with Shutdown                   | PRODUCTION        | 2         | -                  | 600M                   | 1.7k                     | 5m                  | 2n                                | 10μ                   | -            | 6m                     | 5.7                     | 11                      | Shutdown     |
| MAX4330 | Single/Dual /Quad, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 1         | 3M                 | 3M                     | 1.5                      | 700μ                | 28n                               | 65n                   | Both         | 245μ                   | 2.4                     | 6.5                     | -            |
| MAX4331 | Single/Dual /Quad, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 1         | 3M                 | 3M                     | 1.5                      | 700μ                | 28n                               | 65n                   | Both         | 245μ                   | 2.4                     | 6.5                     | -            |

|                | Description                                                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|-------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>MAX4332</b> | Single/Dual /Quad, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 2         | 3M                 | 3M                         | 1.5                      | 1m                             | 28n                                          | 65n                              | Both         | 245μ                               | 2.4                                   | 6.5                                   | -            |
| <b>MAX4333</b> | Single/Dual /Quad, Low-Power, Single-Supply, Rail-to-Rail I/O Op Amps with Shutdown | PRODUCTION        | 2         | 3M                 | 3M                         | 1.5                      | 1m                             | 28n                                          | 65n                              | Both         | 245μ                               | 2.4                                   | 6.5                                   | -            |
| <b>LT1218</b>  | Precision Rail-to-Rail Input and Output Op Amp                                      | PRODUCTION        | 1         | 300k               | -                          | 100m                     | 90μ                            | 33n                                          | 70n                              | Both         | 370μ                               | 2                                     | 36                                    | Shutdown     |
| <b>LT1218L</b> | Precision Rail-to-Rail Input and Output Op Amps                                     | PRODUCTION        | 1         | 300k               | -                          | 100m                     | 90μ                            | 33n                                          | 70n                              | Both         | 370μ                               | 2                                     | 16                                    | Shutdown     |
| <b>LT1495</b>  | 1.5μA Max, Dual Precision Rail-to-Rail Input and Output Op Amps                     | PRODUCTION        | 2         | 2.7k               | -                          | 1m                       | 375μ                           | 185n                                         | 1n                               | Both         | 1μ                                 | 2.1                                   | 36                                    | Over-the-Top |
| <b>LT1496</b>  | 1.5μA Max, Quad Precision Rail-to-Rail Input and Output Op Amps                     | PRODUCTION        | 4         | 2.7k               | -                          | 1m                       | 375μ                           | 185n                                         | 1n                               | Both         | 1μ                                 | 2.1                                   | 36                                    | Over-the-Top |
| <b>MAX4212</b> | Miniature, 300MHz, Single-Supply, Rail-to-Rail Op Amps with Enable                  | PRODUCTION        | 1         | -                  | 300M                       | 600                      | 12m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -            |
| <b>MAX4213</b> | Miniature, 300MHz, Single-Supply, Rail-to-Rail Op Amps with Enable                  | PRODUCTION        | 1         | -                  | 300M                       | 600                      | 12m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -            |

|         | Description                                                                  | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------|------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| MAX4216 | Miniature, 300MHz, Single-Supply, Rail-to-Rail Op Amps with Enable           | PRODUCTION        | 2         | -                  | 200M                       | 600                      | 12m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -                |
| MAX4218 | Miniature, 300MHz, Single-Supply, Rail-to-Rail Op Amps with Enable           | PRODUCTION        | 3         | -                  | 200M                       | 600                      | 12m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -                |
| MAX4220 | Miniature, 300MHz, Single-Supply, Rail-to-Rail Op Amps with Enable           | PRODUCTION        | 4         | -                  | 200M                       | 600                      | 12m                            | 10n                                          | 20μ                              | Output       | 5.5m                               | 3.15                                  | 11                                    | -                |
| LT1464  | Dual/Quad Micropower, 1MHz C-Load Picoampere Bias Current JFET Input Op Amps | PRODUCTION        | 2         | 1M                 | -                          | 900m                     | 800μ                           | 24n                                          | 2p                               | -            | 145μ                               | 10                                    | 40                                    | JFET Input       |
| LT2078  | Micropower, Dual and Quad, Single Supply, Precision Op Amps                  | PRODUCTION        | 2         | 200k               | -                          | 70m                      | 70μ                            | 28n                                          | 8n                               | In to V-     | 35μ                                | 2.3                                   | 44                                    | Precision Op Amp |
| LT2079  | Micropower, Dual and Quad, Single Supply, Precision Op Amps                  | PRODUCTION        | 4         | 200k               | -                          | 70m                      | 110μ                           | 28n                                          | 8n                               | In to V-     | 35μ                                | 2.3                                   | 44                                    | Precision Op Amp |
| LT2178  | 17μA Max, Dual and Quad, Single Supply, Precision Op Amps                    | PRODUCTION        | 2         | 60k                | -                          | 25m                      | 70μ                            | 49n                                          | 5n                               | In to V-     | 13μ                                | 2.2                                   | 44                                    | Precision Op Amp |

|         | Description                                                                          | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------|--------------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| LT2179  | 17µA Max, Quad, Single Supply, Precision Op Amps                                     | PRODUCTION        | 4         | 60k                | -                          | 25m                      | 100µ                           | 49n                                          | 5n                               | In to V-     | 13µ                                | 2.2                                   | 44                                    | Precision Op Amp |
| MAX4122 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 5M                 | 5M                         | 2                        | 1.5m                           | 22n                                          | 150n                             | Both         | 725µ                               | 2.7                                   | 6.5                                   | -                |
| MAX4123 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 5M                 | 5M                         | 2                        | 600µ                           | 22n                                          | 150n                             | Both         | 725µ                               | 2.7                                   | 6.5                                   | -                |
| MAX4124 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 25M                | 25M                        | 10                       | 1.5m                           | 22n                                          | 150n                             | Both         | 725µ                               | 2.7                                   | 6.5                                   | -                |
| MAX4125 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 25M                | 25M                        | 10                       | 600µ                           | 22n                                          | 150n                             | Both         | 725µ                               | 2.7                                   | 6.5                                   | -                |
| MAX4126 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 5M                 | 5M                         | 2                        | 750µ                           | 22n                                          | 150n                             | Both         | 725µ                               | 2.7                                   | 6.5                                   | -                |

|         | Description                                                                          | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub> -3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub> Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub> span | V <sub>s</sub> <sub>max</sub> span | Amp Features |
|---------|--------------------------------------------------------------------------------------|-------------------|-----------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------------------------------|----------------------------------|--------------|------------------------------------|------------------------------------|------------------------------------|--------------|
| MAX4128 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 25M                | 25M                     | 10                       | 750μ                           | 22n                                       | 150n                             | Both         | 725μ                               | 2.7                                | 6.5                                | -            |
| MAX4130 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 10M                | 10M                     | 4                        | 1.5m                           | 22n                                       | 150n                             | Both         | 1m                                 | 2.7                                | 6.5                                | -            |
| MAX4131 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 1         | 10M                | 10M                     | 4                        | 600μ                           | 22n                                       | 150n                             | Both         | 1m                                 | 2.7                                | 6.5                                | -            |
| MAX4132 | Single/Dual /Quad, Wide-Bandwidth, Low-Power, Single-Supply Rail-to-Rail I/O Op Amps | PRODUCTION        | 2         | 10M                | 10M                     | 4                        | 750μ                           | 22n                                       | 150n                             | Both         | 1m                                 | 2.7                                | 6.5                                | -            |
| LT1463  | Dual/Quad Micropower, 260μW C-Load Picoampere Bias Current JFET Input Op Amps        | LAST TIME BUY     | 4         | 175k               | -                       | 130m                     | 800μ                           | 76n                                       | 2p                               | -            | 28μ                                | 10                                 | 40                                 | JFET Input   |
| LT1462  | Dual/Quad Micropower, 260μW C-Load Picoampere Bias Current JFET Input Op Amps        | PRODUCTION        | 2         | 175k               | -                       | 130m                     | 800μ                           | 76n                                       | 2p                               | -            | 28μ                                | 10                                 | 40                                 | JFET Input   |

|         | Description                                                                  | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features            |
|---------|------------------------------------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-------------------------|
| LT1465  | Dual/Quad Micropower, 1MHz C-Load Picoampere Bias Current JFET Input Op Amps | NOT RECOMMENDED FOR NEW DESIGNS | 4         | 1M                 | -                          | 900m                     | 800μ                           | 24n                                          | 2p                               | -            | 145μ                               | 10                                    | 40                                    | JFET Input              |
| LT1210  | 1.1A, 35MHz Current Feedback Amplifier                                       | PRODUCTION                      | 1         | -                  | 66M                        | 900                      | 15m                            | 3n                                           | -                                | -            | 35m                                | 8                                     | 36                                    | Shutdown                |
| LT1490A | Dual Over-The-Top Micropower Rail-to-Rail Input and Output Op Amps           | PRODUCTION                      | 2         | 180k               | -                          | 60m                      | 500μ                           | 50n                                          | 8n                               | Both         | 40μ                                | 2                                     | 44                                    | Over-the-Top            |
| LT1353  | Dual and Quad 250μA, 3MHz, 200V/μs Operational Amplifier                     | PRODUCTION                      | 4         | 3M                 | -                          | 200                      | 600μ                           | 14n                                          | 50n                              | -            | 250μ                               | 5                                     | 36                                    | C-Load Stable           |
| LT1207  | Dual 250mA/60MHz Current Feedback Amplifier                                  | LAST TIME BUY                   | 2         | -                  | 66M                        | 900                      | 10m                            | 3.6n                                         | 5μ                               | -            | 20m                                | 10                                    | 36                                    | Shutdown                |
| LT1351  | 250μA, 3MHz, 200V/μs Operational Amplifier                                   | PRODUCTION                      | 1         | 3M                 | -                          | 200                      | 600μ                           | 14n                                          | 50n                              | -            | 250μ                               | 5                                     | 36                                    | C-Load Stable, Shutdown |
| LT1352  | Dual and Quad 250μA, 3MHz, 200V/μs Operational Amplifier                     | PRODUCTION                      | 2         | 3M                 | -                          | 200                      | 600μ                           | 14n                                          | 50n                              | -            | 250μ                               | 5                                     | 36                                    | C-Load Stable           |

|                  | Description                                            | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|------------------|--------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>LT1007</b>    | Low Noise, High Speed Precision Operational Amplifiers | PRODUCTION        | 1         | 8M                 | -                          | 2.5                      | 25μ                            | 2.5n                             | 35n                              | -            | 2.6m                               | 10                                    | 30                                    | -                |
| <b>LT1013</b>    | Dual Precision Op Amp                                  | PRODUCTION        | 2         | 800k               | -                          | 400m                     | 150μ                           | 22n                              | 20n                              | In to V-     | 350μ                               | 4                                     | 44                                    | Precision Op Amp |
| <b>LT1013AMH</b> | Dual Precision Op Amp                                  | PRODUCTION        | 2         | 800k               | -                          | 400m                     | 300μ                           | 22n                              | 20n                              | In to V-     | 350μ                               | 4                                     | 44                                    | Precision Op Amp |
| <b>LT1014</b>    | Quad Precision Op Amp                                  | PRODUCTION        | 4         | 800k               | -                          | 400m                     | 150μ                           | 22n                              | 20n                              | In to V-     | 350μ                               | 4                                     | 44                                    | Precision Op Amp |
| <b>LT1221</b>    | 150MHz, 250V/μs, AV ≥ 4 Operational Amplifier          | PRODUCTION        | 1         | 150M               | -                          | 250                      | 1m                             | 6n                               | 300n                             | -            | 8m                                 | 5                                     | 36                                    | C-Load Stable    |
| <b>LT1222</b>    | 500MHz, 3nV/√Hz, AV ≥ 10 Operational Amplifier         | PRODUCTION        | 1         | 500M               | -                          | 200                      | 300μ                           | 3n                               | 300n                             | -            | 8m                                 | 5                                     | 36                                    | C-Load Stable    |
| <b>RH1013M</b>   | Dual Precision Operational Amplifier                   | PRODUCTION        | 2         | 800k               | -                          | 200m                     | 300μ                           | 24n                              | 30n                              | In to V-     | -                                  | 4                                     | 44                                    | Precision Op Amp |
| <b>RH1014M</b>   | Quad Precision Operational Amplifier                   | PRODUCTION        | 4         | 500k               | -                          | 200m                     | 300μ                           | 24n                              | 30n                              | -            | 550μ                               | 4                                     | 44                                    | Precision Op Amp |
| <b>LT1367</b>    | Quad Precision Rail-to-Rail Input and Output Op Amps   | PRODUCTION        | 4         | 400k               | -                          | 130m                     | 800μ                           | 29n                              | 35n                              | Both         | 340μ                               | 2                                     | 36                                    | -                |
| <b>LT1368</b>    | Dual Precision Rail-to-Rail Input and Output Op Amps   | PRODUCTION        | 2         | 160k               | -                          | 65m                      | 475μ                           | 29n                              | 35n                              | Both         | 340μ                               | 2                                     | 36                                    | -                |

|               | Description                                                 | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features  |
|---------------|-------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|---------------|
| <b>LT1366</b> | Dual Precision Rail-to-Rail Input and Output Op Amps        | PRODUCTION        | 2         | 400k               | -                          | 130m                     | 475μ                           | 29n                                          | 35n                              | Both         | 340μ                               | 2                                     | 36                                    | -             |
| <b>LT1354</b> | 12MHz, 400V/μs Op Amp                                       | PRODUCTION        | 1         | 12M                | -                          | 400                      | 800μ                           | 10n                                          | 300n                             | -            | 1m                                 | 5                                     | 36                                    | C-Load Stable |
| <b>LT1357</b> | 25MHz, 600V/μs Op Amp                                       | PRODUCTION        | 1         | 25M                | -                          | 600                      | 600μ                           | 8n                                           | 500n                             | -            | 2m                                 | 5                                     | 36                                    | C-Load Stable |
| <b>LT1362</b> | Dual and Quad 50MHz, 800V/μs Op Amps                        | PRODUCTION        | 4         | 50M                | -                          | 800                      | 1m                             | 9n                                           | 1μ                               | -            | 3.8m                               | 5                                     | 36                                    | C-Load Stable |
| <b>LT1365</b> | Dual and Quad 70MHz, 1000V/μs Op Amps                       | PRODUCTION        | 4         | 70M                | -                          | 1k                       | 1.5m                           | 9n                                           | 2μ                               | -            | 6m                                 | 3                                     | 36                                    | C-Load Stable |
| <b>LT1361</b> | Dual and Quad 50MHz, 800V/μs Op Amps                        | PRODUCTION        | 2         | 50M                | -                          | 800                      | 1m                             | 9n                                           | 1μ                               | -            | 3.8m                               | 5                                     | 36                                    | C-Load Stable |
| <b>LT1364</b> | Dual and Quad 70MHz, 1000V/μs Op Amps                       | PRODUCTION        | 2         | 70M                | -                          | 1k                       | 1.5m                           | 9n                                           | 1μ                               | -            | 6m                                 | 3                                     | 36                                    | C-Load Stable |
| <b>LT1169</b> | Dual Low Noise, Picoampere Bias Current, JFET Input Op Amp  | PRODUCTION        | 2         | 5.3M               | -                          | 4.2                      | 2m                             | 6n                                           | 20p                              | -            | 5.3m                               | 9                                     | 40                                    | JFET Input    |
| <b>LT1212</b> | 14MHz, 7V/μs, Single Supply Dual and Quad Precision Op Amps | PRODUCTION        | 4         | 13M                | -                          | 7                        | 275μ                           | 12n                                          | 125n                             | In to V-     | 1.3m                               | 2.5                                   | 36                                    | -             |



|                     | Description                                              | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------------------|----------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <b>LT1057</b>       | Dual and Quad, JFET Input Precision High Speed Op Amps   | PRODUCTION        | 2         | 5M                 | -                          | 14                       | 450μ                           | 13n                                          | 50p                              | -            | 1.6m                               | 8                                     | 40                                    | JFET Input       |
| <b>LT1057MH/883</b> | Dual and Quad, JFET Input Precision High Speed Op Amps   | PRODUCTION        | 2         | 5M                 | -                          | 14                       | 450μ                           | 13n                                          | 50p                              | -            | 1.6m                               | 8                                     | 40                                    | JFET Input       |
| <b>LT1457</b>       | Dual, Precision JFET Input Op Amp                        | PRODUCTION        | 2         | 1.7M               | -                          | 4                        | 450μ                           | 13n                                          | 500p                             | -            | 1.8m                               | 9                                     | 40                                    | JFET Input       |
| <b>LT1251</b>       | 40MHz Video Fader and DC Gain Controlled Amplifier       | PRODUCTION        | 1         | -                  | 40M                        | 300                      | 5m                             | 2.7n                                         | 30μ                              | -            | 13.5m                              | 5                                     | 36                                    | -                |
| <b>LT1256</b>       | 40MHz Video Fader and DC Gain Controlled Amplifier       | PRODUCTION        | 1         | -                  | 40M                        | 300                      | 5m                             | 2.7n                                         | -                                | -            | 13.5m                              | 5                                     | 36                                    | -                |
| <b>LTC1152</b>      | Rail-to-Rail Input Rail-to-Rail Output Zero-Drift Op Amp | PRODUCTION        | 1         | 700k               | -                          | 500m                     | 10μ                            | 100n                                         | 100p                             | Both         | 2.2m                               | 3                                     | 14                                    | Shutdown         |
| <b>LTC1250</b>      | Very Low Noise Zero-Drift Bridge Amplifier               | PRODUCTION        | 1         | 1.5M               | -                          | 10                       | 10μ                            | 15n                                          | 200p                             | -            | 3m                                 | 4.75                                  | 18                                    | -                |
| <b>LT1252</b>       | Low Cost Video Amplifier                                 | PRODUCTION        | 1         | -                  | 250M                       | 250                      | 15m                            | 3n                                           | 15μ                              | -            | 8.5m                               | 4                                     | 28                                    | Video Amplifiers |
| <b>LT1178</b>       | 17μA Max, Dual, Single Supply, Precision Op Amps         | PRODUCTION        | 2         | 85k                | -                          | 40m                      | 70μ                            | 49n                                          | 5n                               | In to V-     | 12μ                                | 2                                     | 44                                    | JFET Input       |

|        | Description                                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features          |
|--------|-----------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|-----------------------|
| LT1253 | Low Cost Dual and Quad Video Amplifiers                         | PRODUCTION        | 2         | -                  | 250M                       | 250                      | 15m                            | 3n                                           | 15μ                              | -            | 6m                                 | 4                                     | 28                                    | -                     |
| LT1254 | Low Cost Dual and Quad Video Amplifiers                         | PRODUCTION        | 4         | 250M               | -                          | 250                      | 15m                            | 3n                                           | 15μ                              | -            | 6m                                 | 4                                     | 28                                    | -                     |
| LT1203 | 150MHz Video Multiplexers                                       | PRODUCTION        | 1         | 150M               | -                          | 300                      | 30m                            | -                                            | 5μ                               | -            | 10m                                | 9                                     | 36                                    | Shutdown              |
| LT1205 | 150MHz Video Multiplexers                                       | PRODUCTION        | 2         | 150M               | -                          | 300                      | 30m                            | -                                            | 5μ                               | -            | 10m                                | 9                                     | 36                                    | Shutdown              |
| LT1355 | Dual 12MHz, 400V/μs Op Amps                                     | PRODUCTION        | 2         | 12M                | -                          | 400                      | 800μ                           | 10n                                          | 300n                             | -            | 1m                                 | 5                                     | 36                                    | C-Load Stable         |
| LT1356 | Quad 12MHz, 400V/μs Op Amps                                     | PRODUCTION        | 4         | 12M                | -                          | 400                      | 800μ                           | 10n                                          | 300n                             | -            | 1m                                 | 5                                     | 36                                    | C-Load Stable         |
| LT1358 | Dual 25MHz, 600V/μs Op Amps                                     | PRODUCTION        | 2         | 25M                | -                          | 600                      | 600μ                           | 8n                                           | 500n                             | -            | 2m                                 | 5                                     | 36                                    | C-Load Stable         |
| LT1359 | Quad 25MHz, 600V/μs Op Amps                                     | PRODUCTION        | 4         | 25M                | -                          | 600                      | 600μ                           | 8n                                           | 500n                             | -            | 2m                                 | 5                                     | 36                                    | C-Load Stable         |
| LT1113 | Dual Low Noise, Precision, JFET Input Op Amps                   | PRODUCTION        | 2         | 5.6M               | -                          | 3.9                      | 1.5m                           | 4.5n                                         | 450p                             | -            | 5.3m                               | 9                                     | 40                                    | JFET Input            |
| LT1204 | 4-Input Video Multiplexer with 75MHz Current Feedback Amplifier | PRODUCTION        | 1         | -                  | 95M                        | 1k                       | 14m                            | 7n                                           | 8μ                               | -            | 19m                                | 9                                     | 36                                    | Mux-Compatible Inputs |

|                  | Description                                                               | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features  |
|------------------|---------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|---------------|
| <b>LT1259</b>    | Low Cost Dual and Triple 130MHz Current Feedback Amplifiers with Shutdown | PRODUCTION        | 2         | -                  | 130M                       | 1.6k                     | 12m                            | 3.6n                                         | -                                | -            | 5m                                 | 4                                     | 36                                    | Shutdown      |
| <b>LT1260</b>    | Low Cost Dual and Triple 130MHz Current Feedback Amplifiers with Shutdown | PRODUCTION        | 3         | -                  | 130M                       | 1.6k                     | 12m                            | 3.6n                                         | -                                | -            | 5m                                 | 4                                     | 36                                    | Shutdown      |
| <b>LT1360</b>    | 50MHz, 800V/μs Op Amp                                                     | PRODUCTION        | 1         | 50M                | -                          | 800                      | 1m                             | 9n                                           | 1μ                               | -            | 3.8m                               | 3                                     | 36                                    | C-Load Stable |
| <b>LT1363</b>    | 70MHz, 1000V/μs Op Amp                                                    | PRODUCTION        | 1         | 70M                | -                          | 1k                       | 1.5m                           | 9n                                           | 2μ                               | -            | 6.3m                               | 3                                     | 36                                    | C-Load Stable |
| <b>LT1413</b>    | Single Supply, Dual Precision Op Amp                                      | PRODUCTION        | 2         | 950k               | -                          | 300m                     | 150μ                           | 23n                                          | -                                | In to V-     | 330μ                               | 3                                     | 22                                    | -             |
| <b>LT1206</b>    | 250mA/60MHz Current Feedback Amplifier                                    | PRODUCTION        | 1         | -                  | 66M                        | 900                      | 10m                            | 3.6n                                         | 8μ                               | -            | 20m                                | 10                                    | 36                                    | Shutdown      |
| <b>LT1211</b>    | 14MHz, 7V/μs, Single Supply Dual and Quad Precision Op Amps               | PRODUCTION        | 2         | 13M                | -                          | 7                        | 150μ                           | 12n                                          | 100n                             | In to V-     | 1.3m                               | 2.5                                   | 36                                    | -             |
| <b>LT1211MJ8</b> | 14MHz, 7V/μs, Single Supply Dual and Quad Precision Op Amps               | PRODUCTION        | 2         | 13M                | -                          | 7                        | 150μ                           | 12n                                          | 100n                             | -            | 1.3m                               | 2.5                                   | 36                                    | -             |

|                  | Description                                         | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features  |
|------------------|-----------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|---------------|
| <b>LT1213</b>    | 28MHz, 12V/μs, Single Supply Dual Precision Op Amps | PRODUCTION        | 2         | 28M                | -                          | 8.5                      | 150μ                           | 10n                                          | 160n                             | In to V-     | 2.7m                               | 2.5                                   | 36                                    | -             |
| <b>LT1213MJ8</b> | 28MHz, 12V/μs, Single Supply Dual Precision Op Amps | PRODUCTION        | 2         | 28M                | -                          | 8.5                      | 150μ                           | 10n                                          | 160n                             | -            | 2.7m                               | 2.5                                   | 36                                    | -             |
| <b>LT1215</b>    | 23MHz, 50V/μs, Single Supply Dual Precision Op Amps | PRODUCTION        | 2         | 23M                | -                          | 30                       | 300μ                           | 12n                                          | 500n                             | In to V-     | 4.75m                              | 2.5                                   | 36                                    | -             |
| <b>LT1208</b>    | Dual and Quad 45MHz, 400V/μs Op Amps                | PRODUCTION        | 2         | 45M                | -                          | 400                      | 3m                             | 22n                                          | 8μ                               | -            | 7m                                 | 8                                     | 36                                    | C-Load Stable |
| <b>LT1209</b>    | Quad 45MHz, 400V/μs Op Amps                         | LAST TIME BUY     | 4         | 45M                | -                          | 400                      | 3m                             | 22n                                          | 8μ                               | -            | 7m                                 | 8                                     | 36                                    | C-Load Stable |
| <b>LT1195</b>    | Low Power, High Speed Operational Amplifier         | LAST TIME BUY     | 1         | 50M                | -                          | 165                      | 8m                             | 70n                                          | 2μ                               | -            | 12m                                | 4                                     | 18                                    | Shutdown      |
| <b>LT1187</b>    | Low Power Video Difference Amplifier                | PRODUCTION        | 1         | 50M                | -                          | 165                      | 10m                            | 65n                                          | 2μ                               | -            | 13m                                | 4                                     | 18                                    | Shutdown      |
| <b>LT1189</b>    | Low Power Video Difference Amplifier                | PRODUCTION        | 1         | 180M               | -                          | 220                      | 3m                             | 30n                                          | 2μ                               | -            | 13m                                | 4                                     | 18                                    | Shutdown      |
| <b>LTC1151</b>   | Dual ±15V Zero-Drift Operational Amplifier          | PRODUCTION        | 2         | 2M                 | -                          | 2.5                      | 5μ                             | 55n                                          | 100p                             | In to V-     | 900μ                               | 4.75                                  | 36                                    | -             |

|           | Description                                     | Product Lifecycle               | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|-----------|-------------------------------------------------|---------------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| OP37      | Low-Noise, Precision Op Amps                    | NOT RECOMMENDED FOR NEW DESIGNS | 1         | 63M                | -                          | 17                       | 100μ                           | 3n                                           | 40n                              | -            | 3m                                 | 8                                     | 44                                    | Op Amp           |
| LT1217    | Low Power 10MHz Current Feedback Amplifier      | PRODUCTION                      | 1         | -                  | 10M                        | 500                      | 3m                             | 6.5n                                         | 500n                             | -            | 1m                                 | 10                                    | 36                                    | Shutdown         |
| LT1225    | Very High Speed Operational Amplifier           | LAST TIME BUY                   | 1         | 150M               | -                          | 400                      | 1m                             | 7.5n                                         | 8μ                               | -            | 7m                                 | 5                                     | 36                                    | C-Load Stable    |
| LT1226    | Low Noise Very High Speed Operational Amplifier | PRODUCTION                      | 1         | 1G                 | -                          | 400                      | 1m                             | 2.6n                                         | 8μ                               | -            | 7m                                 | 5                                     | 36                                    | C-Load Stable    |
| LT1227    | 140MHz Video Current Feedback Amplifier         | PRODUCTION                      | 1         | -                  | 140M                       | 1.1k                     | 10m                            | 3.2n                                         | -                                | -            | 10m                                | 4                                     | 36                                    | Shutdown         |
| LT1227MJ8 | 140MHz Video Current Feedback Amplifier         | PRODUCTION                      | 1         | -                  | 140M                       | 1.1k                     | 10m                            | 3.2n                                         | -                                | -            | 10m                                | 4                                     | 36                                    | Shutdown         |
| LT1191    | Ultrahigh Speed Operational Amplifier           | LAST TIME BUY                   | 1         | 90M                | -                          | 450                      | 5m                             | 25n                                          | 2.5μ                             | -            | 32m                                | 4                                     | 18                                    | Shutdown         |
| LT1192    | Ultrahigh Speed Operational Amplifier           | LAST TIME BUY                   | 1         | 350M               | -                          | 450                      | 2.5m                           | 9n                                           | 2.5μ                             | -            | 32m                                | 4                                     | 18                                    | Shutdown         |
| LT1194    | Video Difference Amplifier                      | LAST TIME BUY                   | 1         | 350M               | -                          | 500                      | 6m                             | 15n                                          | 3.5μ                             | -            | 35m                                | 4                                     | 18                                    | Video Amplifiers |
| LT1224    | Very High Speed Operational Amplifier           | PRODUCTION                      | 1         | 45M                | -                          | 400                      | 2m                             | 22n                                          | 8μ                               | -            | 7m                                 | 5                                     | 36                                    | C-Load Stable    |

|         | Description                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------|----------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| LT1228  | 100MHz Current Feedback Amplifier with DC Gain Control         | PRODUCTION        | 1         | -                  | 100M                       | 500                      | 5m                             | 20n                                          | 1μ                               | -            | 9m                                 | 4                                     | 36                                    | -                |
| LT1229  | Dual 100MHz Current Feedback Amplifiers                        | PRODUCTION        | 2         | -                  | 100M                       | 700                      | 10m                            | 3.2n                                         | -                                | -            | 6m                                 | 4                                     | 36                                    | Video Amplifiers |
| LT1230  | Quad 100MHz Current Feedback Amplifiers                        | LAST TIME BUY     | 4         | -                  | 100M                       | 700                      | 10m                            | 3.2n                                         | -                                | -            | 6m                                 | 4                                     | 36                                    | -                |
| LT1220  | 45MHz, 250V/μs Operational Amplifier                           | PRODUCTION        | 1         | 45M                | -                          | 250                      | 1m                             | 17n                                          | 300n                             | -            | 8m                                 | 5                                     | 36                                    | C-Load Stable    |
| LT1223  | 100MHz Current Feedback Amplifier                              | PRODUCTION        | 1         | -                  | 100M                       | 1k                       | 3m                             | 33n                                          | -                                | -            | 6m                                 | 5                                     | 36                                    | Shutdown         |
| LT1122  | Fast Settling, JFET Input Operational Amplifier                | PRODUCTION        | 1         | 14M                | -                          | 80                       | 600μ                           | 14n                                          | 75p                              | -            | 7.5m                               | 20                                    | 40                                    | JFET Input       |
| LTC1150 | ±15V Zero-Drift Operational Amplifier with Internal Capacitors | PRODUCTION        | 1         | 2.5M               | -                          | 3                        | 10μ                            | 90n                                          | 100p                             | In to V-     | 800μ                               | 4.75                                  | 32                                    | Shutdown         |
| LT1097  | Low Cost, Low Power Precision Op Amp                           | PRODUCTION        | 1         | 700k               | -                          | 200m                     | 50μ                            | 14n                                          | 250p                             | -            | 350μ                               | 2                                     | 40                                    | Op Amp           |
| LT1115  | Ultra-Low Noise, Low Distortion, Audio Op Amp                  | PRODUCTION        | 1         | 70M                | -                          | 15                       | 200μ                           | 900p                                         | 380n                             | -            | 8.5m                               | 8                                     | 44                                    | Ultralow Noise   |

|               | Description                                                 | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features     |
|---------------|-------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------|
| LT1179        | 17µA Max, Quad, Single Supply, Precision Op Amps            | PRODUCTION        | 4         | 85k                | -                          | 40m                      | 100µ                           | 49n                                          | 5n                               | In to V-     | 12µ                                | 2                                     | 44                                    | Op Amp           |
| LT1008        | Picoamp Input Current, Microvolt Offset, Low Noise Op Amp   | PRODUCTION        | 1         | -                  | -                          | 200m                     | 120µ                           | 14n                                          | 100p                             | -            | 380µ                               | 4                                     | 40                                    | Compensation Pin |
| LT1010        | Fast ±150mA Power Buffer                                    | PRODUCTION        | 1         | -                  | 20M                        | 200                      | 150m                           | 20n                                          | 250µ                             | -            | 5m                                 | 4.5                                   | 44                                    | Buffer Amplifier |
| LT1012        | Picoamp Input Current, Microvolt Offset, Low Noise Op Amp   | PRODUCTION        | 1         | 1M                 | -                          | 200m                     | 25µ                            | 14n                                          | 100p                             | -            | 370µ                               | 2.4                                   | 40                                    | Op Amp           |
| LT1022        | High Speed, Precision JFET Input Operational Amplifier      | PRODUCTION        | 1         | 8.5M               | -                          | 26                       | 250µ                           | 14n                                          | 50p                              | -            | 5.2m                               | 20                                    | 40                                    | JFET Input       |
| LT1022AMH/883 | High Speed, Precision JFET Input Operational Amplifier      | PRODUCTION        | 1         | 8.5M               | -                          | 26                       | 250µ                           | 14n                                          | 50p                              | -            | 5.2m                               | 20                                    | 40                                    | -                |
| LT1024        | Dual, Matched Picoampere, Microvolt Input, Low Noise Op Amp | LAST TIME BUY     | 2         | -                  | -                          | 200m                     | 50µ                            | 14n                                          | 120p                             | -            | 380µ                               | 4                                     | 40                                    | Op Amp           |
| LT1028        | Ultra Low Noise Precision High Speed Op Amps                | PRODUCTION        | 1         | 75M                | -                          | 15                       | 40µ                            | 850p                                         | 90n                              | -            | 7.4m                               | 8                                     | 44                                    | Ultralow Noise   |

|          | Description                                                 | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------|-------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| LT1037   | Low Noise, High Speed Precision Operational Amplifiers      | PRODUCTION        | 1         | 60M                | -                          | 15                       | 25μ                            | 2.5n                                         | 35n                              | -            | 2.6m                               | 8                                     | 44                                    | Op Amp       |
| LT1055   | Precision, High Speed, JFET Input Operational Amplifiers    | PRODUCTION        | 1         | 4.5M               | -                          | 12                       | 700μ                           | 15n                                          | 50p                              | -            | 2.8m                               | 8                                     | 40                                    | JFET Input   |
| LT1056   | Precision, High Speed, JFET Input Operational Amplifiers    | PRODUCTION        | 1         | 5.5M               | -                          | 14                       | 800μ                           | 15n                                          | 50p                              | -            | 5m                                 | 8                                     | 40                                    | JFET Input   |
| LT1058   | Dual and Quad, JFET Input Precision High Speed Op Amps      | PRODUCTION        | 4         | 5M                 | -                          | 14                       | 600μ                           | 13n                                          | 50p                              | -            | 1.6m                               | 8                                     | 40                                    | JFET Input   |
| LT1077   | Micropower, Single Supply, Precision Op Amp                 | PRODUCTION        | 1         | 230k               | -                          | 80m                      | 40μ                            | 27n                                          | 9n                               | In to V-     | 48μ                                | 2.2                                   | 44                                    | Op Amp       |
| LT1078   | Micropower, Dual, Single Supply, Precision Op Amps          | PRODUCTION        | 2         | 200k               | -                          | 70m                      | 70μ                            | 28n                                          | 8n                               | In to V-     | 38μ                                | 2.2                                   | 44                                    | Op Amp       |
| LT1079   | Micropower, Dual and Quad, Single Supply, Precision Op Amps | PRODUCTION        | 4         | 200k               | -                          | 70m                      | 100μ                           | 28n                                          | 8n                               | In to V-     | 38μ                                | 2.2                                   | 44                                    | Op Amp       |
| LT1079MJ | Micropower, Dual and Quad, Single Supply, Precision Op Amps | PRODUCTION        | 4         | 200k               | -                          | 70m                      | 100μ                           | 28n                                          | 8n                               | -            | 38μ                                | 2.2                                   | 44                                    | Op Amp       |



|                | Description                                                                    | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|----------------|--------------------------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| <b>LTC1047</b> | Dual Micropower Zero-Drift Operational Amplifier with Internal Capacitors      | PRODUCTION        | 2         | 200k               | -                          | 200m                     | 10μ                            | -                                            | 30p                              | In to V-, Output | 60μ                                | 4.75                                  | 16                                    | -            |
| <b>LTC1049</b> | Low Power Zero-Drift Operational Amplifier with Internal Capacitors            | PRODUCTION        | 1         | 800k               | -                          | 800m                     | 10μ                            | 80n                                          | 50p                              | In to V-, Output | 200μ                               | 4.75                                  | 18                                    | -            |
| <b>LTC1051</b> | Dual/Quad Precision Zero-Drift Operational Amplifiers With Internal Capacitors | PRODUCTION        | 2         | 2.5M               | -                          | 4                        | 5μ                             | 70n                                          | 65p                              | In to V-, Output | 1m                                 | 4.75                                  | 16.5                                  | -            |
| <b>LTC1052</b> | Zero-Drift Operational Amplifier                                               | PRODUCTION        | 1         | 1.2M               | -                          | 4                        | 5μ                             | 30n                                          | 30p                              | In to V-, Output | 1.7m                               | 4.75                                  | 18                                    | -            |
| <b>LTC1053</b> | Dual/Quad Precision Zero-Drift Operational Amplifiers With Internal Capacitors | PRODUCTION        | 4         | 2.5M               | -                          | 4                        | 5μ                             | 70n                                          | 65p                              | In to V-, Output | 1m                                 | 4.75                                  | 16.5                                  | -            |
| <b>RH1056A</b> | Precision, High Speed, JFET Input Operational Amplifier                        | PRODUCTION        | 1         | 6.5M               | -                          | 10                       | 300μ                           | 28n                                          | 50p                              | -                | 6.5m                               | 8                                     | 40                                    | JFET Input   |
| <b>RH1078M</b> | Micropower, Dual, Single Supply Precision Op Amp                               | PRODUCTION        | 2         | 200k               | -                          | 40m                      | 120μ                           | 24n                                          | 15n                              | -                | 75μ                                | 4.5                                   | 44                                    | Op Amp       |
| <b>RH108A</b>  | Operational Amplifier                                                          | PRODUCTION        | 1         | 500k               | -                          | -                        | 1m                             | -                                            | 2n                               | -                | 600μ                               | -                                     | 40                                    | -            |

|         | Description                                     | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features |
|---------|-------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------|
| ICL7611 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 1         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| ICL7612 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 1         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| ICL7621 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 2         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| ICL7622 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 2         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| ICL7631 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 3         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| ICL7641 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 4         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| ICL7642 | Single/Dual /Triple/Quad Operational Amplifiers | PRODUCTION        | 4         | 44k                | 44k                        | 16m                      | 2m                             | 100n                                         | 50p                              | Output       | 6μ                                 | 2                                     | 16                                    | CMOS Inputs  |
| RH101A  | Operational Amplifier                           | PRODUCTION        | 1         | 100k               | -                          | -                        | 2m                             | -                                            | 75n                              | -            | 3m                                 | 4                                     | 44                                    | -            |
| RH118   | Precision, High Speed Operational Amplifier     | PRODUCTION        | 1         | 15M                | -                          | 50                       | 6m                             | -                                            | -                                | -            | 8m                                 | -                                     | 40                                    | Op Amp       |

|               | Description                                                | Product Lifecycle | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | VNoise <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                 |
|---------------|------------------------------------------------------------|-------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|--------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------|
| <b>RH27C</b>  | Precision Operational Amplifier                            | PRODUCTION        | 1         | 5M                 | -                          | 1.7                      | 60μ                            | 5.5n                             | 60n                              | -            | 3.5m                               | -                                     | 44                                    | Op Amp                       |
| <b>RH37C</b>  | Precision Operational Amplifier                            | PRODUCTION        | 1         | 45M                | -                          | 11                       | 100μ                           | 8n                               | 150n                             | -            | 5.6m                               | -                                     | 44                                    | Op Amp                       |
| <b>LT1001</b> | Precision Operational Amplifier                            | PRODUCTION        | 1         | 800k               | -                          | 250m                     | 25μ                            | 9.6n                             | 2n                               | -            | 1.5m                               | 6                                     | 44                                    | Op Amp                       |
| <b>LT1125</b> | Quad Low Noise, High Speed Precision Op Amps               | PRODUCTION        | 4         | 12.5M              | -                          | 4.5                      | 90μ                            | 2.7n                             | 20n                              | -            | 2.3m                               | 8                                     | 44                                    | Signal Processing Amplifiers |
| <b>LT1126</b> | Dual Decompensated Low Noise, High Speed Precision Op Amps | PRODUCTION        | 2         | 65M                | -                          | 11                       | 70μ                            | 2.7n                             | 20n                              | -            | 2.6m                               | 8                                     | 44                                    | Signal Processing Amplifiers |
| <b>LT1127</b> | Quad Decompensated Low Noise, High Speed Precision Op Amps | LAST TIME BUY     | 4         | 65M                | -                          | 11                       | 90μ                            | 2.7n                             | 20n                              | -            | 2.6m                               | 8                                     | 44                                    | Signal Processing Amplifiers |
| <b>LT1128</b> | Ultra Low Noise Precision High Speed Op Amps               | PRODUCTION        | 1         | 20M                | -                          | 6                        | 40μ                            | 850p                             | 90n                              | -            | 7.4m                               | 8                                     | 44                                    | Ultralow Noise               |
| <b>LT1190</b> | Ultrahigh Speed Operational Amplifier                      | LAST TIME BUY     | 1         | 50M                | -                          | 450                      | 10m                            | 50n                              | 2.5μ                             | -            | 32m                                | 4                                     | 18                                    | Shutdown                     |

|                   | Description                                                                  | Product Lifecycle           | # of Amps | GBP <sub>typ</sub> | BW <sub>typ</sub><br>-3 dB | Slew Rate <sub>typ</sub> | V <sub>os</sub> <sub>max</sub> | V <sub>Noise</sub> <sub>typ</sub><br>Density | I <sub>bias</sub> <sub>max</sub> | Rail to Rail     | I <sub>q</sub> /Amp <sub>typ</sub> | V <sub>s</sub> <sub>min</sub><br>span | V <sub>s</sub> <sub>max</sub><br>span | Amp Features                       |
|-------------------|------------------------------------------------------------------------------|-----------------------------|-----------|--------------------|----------------------------|--------------------------|--------------------------------|----------------------------------------------|----------------------------------|------------------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|
| <b>ADA4077-2S</b> | Aerospace Dual Low Offset and Drift, High Precision Operational Amplifiers   | RECOMMENDED FOR NEW DESIGNS | 2         | 3.9M               | -                          | 1                        | 25μ                            | 7n                                           | 1n                               | -                | 400μ                               | 5                                     | 30                                    | -                                  |
| <b>ADA4084-2S</b> | Aerospace Dual Low Noise, Rail-to-Rail I/O, Low Power Operational Amplifiers | RECOMMENDED FOR NEW DESIGNS | 2         | -                  | -                          | -                        | 100μ                           | -                                            | 250n                             | Both             | -                                  | 3                                     | 30                                    | -                                  |
| <b>ADA4620-1</b>  | 36 V, Precision, Low Noise, 16 MHz JFET Op Amp with Rail-to-Rail Output      | PRE-RELEASE                 | 1         | 16.7M              | 30M                        | 35                       | 100μ                           | 5.1                                          | 2.5                              | In to V-, Output | 1.3m                               | 4.5                                   | 36                                    | JFET Input, Op Amp, Ultralow Noise |
| <b>ADA4620-2</b>  | 36 V, Precision, Low Noise, 16 MHz JFET Op Amp with Rail-to-Rail Output      | PRE-RELEASE                 | 2         | 16M                | 37M                        | 35                       | 100μ                           | 5n                                           | 5p                               | In to V-, Output | 1.3m                               | 4.5                                   | 36                                    | JFET Input, Op Amp, Ultralow Noise |

# RF Amplifiers

| Parts      | Description                                                        | RF Primary Function                                 | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|------------|--------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| ADL8122    | 10 kHz to 10 GHz, Wideband, Low Noise Amplifier                    | LNA, LNA High Survivability, Low Phase Noise        | 10k                             | 10G                             | 17                     | 33.5     | 95m    | PRE-RELEASE                 | 1             | 3       | 6       |
| ADL8120    | 30 kHz to 20 GHz, Ultra-Wideband, Low Noise Amplifier              | LNA, LNA High Survivability                         | 30k                             | 20G                             | 14                     | 29.5     | 55m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5.5     |
| ADPA1116   | 0.3 GHz to 6 GHz, 39.5 dBm, GaN Power Amplifier                    | GaN Power Amp, Power Amp, Wideband Distributed Amps | 300M                            | 6G                              | -                      | 39       | 300m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 35      |
| ADPA9007-2 | DC to 28 GHz, GaAs, pHEMT, 2 W Power Amplifier                     | Power Amp                                           | 50M                             | 28G                             | 13.5                   | 43.5     | 500m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | -       |
| ADH8412S   | ADH8412S: Low Noise Amplifier, 0.4 GHz to 11 GHz                   | Gain Block, LNA, Low Phase Noise                    | 400M                            | 11G                             | 13                     | 33       | 60m    | PRE-RELEASE                 | 1             | -       | 6       |
| ADPA1113   | 2 GHz to 6 GHz, 46 dBm (40 W), GaN Power Amplifier                 | GaN Power Amp, Power Amp                            | 2G                              | 6G                              | 40.5                   | 48       | 750m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 35      |
| ADPA9007   | DC to 28 GHz, GaAs, pHEMT, 2 W Power Amplifier                     | Power Amp                                           | 100k                            | 28G                             | 12.5                   | 45       | 500m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 16      |
| ADL7078    | High Survivability, Low Noise Amplifier, 1 GHz to 20 GHz           | LNA, LNA High Survivability                         | 1G                              | 20G                             | 13                     | 28       | 175m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| HMC8414    | Low Noise Amplifier with Bypass Switch 0.1 GHz to 10 GHz           | LNA, LNA with Bypass Switch                         | 100M                            | 10G                             | 16                     | 33.5     | 90m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 6       |
| ADH463S    | Aerospace GaAs, Low Noise AGC Amplifier 2 to 20 GHz, LH250 Package | LNA, Wideband Distributed Amps                      | 2G                              | 20G                             | 14                     | 27       | 60m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| ADL8102    | GaAs, pHEMT, MMIC, Low Noise Amplifier, 1 GHz to 22 GHz            | LNA                                                 | 1G                              | 22G                             | 27                     | 24.5     | 110m   | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5.5     |

|                         | Description                                                         | RF Primary Function                        | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------------|---------------------------------------------------------------------|--------------------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>ADL8100</b>          | GaAs, pHEMT, MMIC, Low Noise Amplifier, 0.01 GHz to 20 GHz          | LNA                                        | 10M                                | 20G                                | 19                        | 35                  | 220m              | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 6                  |
| <b>ADL8141ACPZN</b>     | GaAs, pHEMT, MMIC, Low Noise Amplifier, 14 GHz to 24 GHz            | LNA                                        | 14G                                | 24G                                | 28.5                      | 18                  | 25m               | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5                | 3.5                |
| <b>ADL8141ACPZN-CSL</b> | GaAs, pHEMT, MMIC, Low Noise Amplifier, 14 GHz to 24 GHz            | LNA                                        | 14G                                | 24G                                | 28.5                      | 18                  | 25m               | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5                | 3.5                |
| <b>ADL8112</b>          | 10 MHz to 26.5 GHz Amplifier with Bypass Switches                   | LNA with Bypass Switch                     | 10M                                | 26.5G                              | 13.5                      | 22.5                | 90m               | RECOMMENDED FOR NEW DESIGNS | 1             | 7.5                | 9.5                |
| <b>ADPA1122</b>         | 43 dBm, 20 W, GaN Power Amplifier, 8.2 GHz to 11.8 GHz              | GaN Power Amp, Power Amp                   | 8.2G                               | 11.8G                              | 31                        | -                   | 200m              | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>ADRF5534</b>         | 3.1 GHz to 4.2 GHz, Receiver Front End                              | Rx Front End, SPDT Switch                  | 3.1G                               | 4.2G                               | -                         | -                   | -                 | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>ADH8411S</b>         | 0.01 GHz to 10 GHz Low Noise Amplifier                              | LNA, Low Phase Noise                       | 10M                                | 10G                                | 15                        | 34                  | 55m               | RECOMMENDED FOR NEW DESIGNS | -             | -                  | -                  |
| <b>ADL8142-2C-CSL</b>   | GaAs, pHEMT, MMIC, Low Noise Amplifier, 23 GHz to 31 GHz            | LNA                                        | 23G                                | 31G                                | 26.5                      | 20                  | 25m               | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5                | 3.5                |
| <b>ADL8142-2CHIP</b>    | GaAs, pHEMT, MMIC, Low Noise Amplifier, 23 GHz to 31 GHz            | LNA                                        | 23G                                | 31G                                | 26.5                      | 20                  | 25m               | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5                | 3.5                |
| <b>ADPA7009-2</b>       | 20 GHz to 54 GHz, GaAs, pHEMT, MMIC, 29 dBm (0.5 W) Power Amplifier | Power Amp, Wideband Distributed Amps       | 20G                                | 54G                                | 17                        | 34.5                | 850m              | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | -                  |
| <b>ADL8106ACEZ</b>      | GaAs, pHEMT, Low Noise Amplifier, 20 GHz to 54 GHz                  | Driver Amp, LNA, Wideband Distributed Amps | 18G                                | 54G                                | 21.5                      | 21.5                | 120m              | RECOMMENDED FOR NEW DESIGNS | 1             | 2                  | 3.5                |

|                         | Description                                                        | RF Primary Function                        | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------------|--------------------------------------------------------------------|--------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|--------------------|--------------------|
| <b>ADL8106CHIPS</b>     | GaAs, pHEMT, Low Noise Amplifier, 20 GHz to 54 GHz                 | Driver Amp, LNA, Wideband Distributed Amps | 20G                             | 54G                             | 21.5                   | 21.5     | 120m   | RECOMMENDED FOR NEW DESIGNS | 1             | 2.5                | 3.5                |
| <b>ADL8105</b>          | GaAs, pHEMT, MMIC, Low Noise Amplifier, 5 GHz to 20 GHz            | Driver Amp, Gain Block, LNA                | 5G                              | 20G                             | 27                     | 30.5     | 90m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 5.5                |
| <b>ADL8142S</b>         | GaAs, pHEMT, MMIC, Low Noise Amplifier, 23 GHz to 31 GHz           | LNA                                        | 23G                             | 31G                             | 27                     | 29       | 25m    | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5                | 3.5                |
| <b>ADL8121</b>          | GaAs, pHEMT, MMIC, Low Noise Amplifier, 0.025 GHz to 12 GHz        | Gain Block, LNA, LNA High Survivability    | 25M                             | 12G                             | 16.5                   | 36       | 95m    | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>ADL8142</b>          | GaAs, pHEMT, MMIC, Low Noise Amplifier, 23 GHz to 31 GHz           | LNA                                        | 23G                             | 31G                             | 27                     | 21.5     | 25m    | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5                | 3.5                |
| <b>ADPA1106</b>         | 46 dBm (40 W), 2.7 GHz to 3.5 GHz, GaN Power Amplifier             | GaN Power Amp, Power Amp                   | 2.7G                            | 3.5G                            | 34.5                   | -        | 300m   | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>ADL8107</b>          | GaAs, pHEMT, MMIC, Low Noise Amplifier, 6 GHz to 18 GHz            | Driver Amp, LNA                            | 6G                              | 18G                             | 24                     | 29       | 90m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 5.5                |
| <b>ADPA7005-Die</b>     | 18 GHz to 44 GHz, GaAs, pHEMT, 32 dBm (>1 W), MMIC Power Amplifier | Power Amp, Wideband Distributed Amps       | 20G                             | 44G                             | 17                     | 41       | 1.2    | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5                  |
| <b>ADPA7005AEHZ</b>     | 18 GHz to 44 GHz, GaAs, pHEMT, 32 dBm (>1 W), MMIC Power Amplifier | Power Amp, Wideband Distributed Amps       | 18G                             | 44G                             | 15.5                   | 40       | 1.4    | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5                  |
| <b>HMC8413LP2FE</b>     | Low Noise Amplifier, 0.01 GHz to 9 GHz                             | Gain Block, LNA                            | 10M                             | 9G                              | 19.5                   | 35       | 95m    | RECOMMENDED FOR NEW DESIGNS | 1             | 2                  | 6                  |
| <b>HMC8413LP2FE-CSL</b> | Low Noise Amplifier, 0.01 GHz to 9 GHz                             | Gain Block, LNA                            | 10M                             | 9G                              | 19.5                   | 35       | 95m    | RECOMMENDED FOR NEW DESIGNS | 1             | 2                  | 6                  |

|                     | Description                                                                 | RF Primary Function                  | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|---------------------|-----------------------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>ADRF5515A</b>    | Dual-Channel, 3.3 GHz to 4.0 GHz, 20 W Receiver Front End                   | Massive MIMO Receiver Front End      | 3.3G                               | 4G                                 | -                         | -                   | -                 | RECOMMENDED FOR NEW DESIGNS | -             | -                  | -                  |
| <b>ADPA7008-Die</b> | 20 GHz to 54 GHz, GaAs, pHEMT, MMIC, 31 dBm (1 W) Power Amplifier           | Power Amp, Wideband Distributed Amps | 20G                                | 54G                                | 18                        | 38                  | 1.5               | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5                  |
| <b>ADPA7008AEHZ</b> | 20 GHz to 54 GHz, GaAs, pHEMT, MMIC, 31 dBm (1 W) Power Amplifier           | Power Amp, Wideband Distributed Amps | 20G                                | 54G                                | 17.5                      | 37                  | 1.5               | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | -                  |
| <b>ADPA1107</b>     | 45.0 dBm (35 W), 4.8 GHz to 6.0 GHz, GaN Power Amplifier                    | GaN Power Amp, Power Amp             | 4.8G                               | 6G                                 | 30.5                      | -                   | 350m              | RECOMMENDED FOR NEW DESIGNS | 1             | 24                 | 32                 |
| <b>ADRF5519</b>     | Dual-Channel, 2.3 GHz to 2.8 GHz, 20 W Receiver Front End                   | Massive MIMO Receiver Front End      | 2.3G                               | 2.8G                               | 35                        | 32                  | 110m              | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75               | 5.25               |
| <b>ADPA7009-Die</b> | 20 GHz to 54 GHz, GaAs, pHEMT, MMIC, 29 dBm (0.5 W) Power Amplifier         | Power Amp, Wideband Distributed Amps | 20G                                | 54G                                | 19.5                      | 35                  | 750m              | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 5                  |
| <b>ADL9005</b>      | Wideband, Low Noise Amplifier, Single Positive Supply, 0.01 GHz to 26.5 GHz | LNA, Wideband Distributed Amps       | 10M                                | 26.5G                              | 18.5                      | 25                  | 80m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 8.5                |
| <b>ADPA7004-Die</b> | 40 GHz to 80 GHz, GaAs, pHEMT, MMIC, Wideband Power Amplifier               | Power Amp, Wideband Distributed Amps | 40G                                | 80G                                | 18.5                      | 31                  | 550               | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 4                  |
| <b>ADL5580</b>      | Fully Differential, 10 GHz ADC Driver with 10 dB Gain                       | Differential Amplifier               | 0                                  | 10G                                | 10                        | 43.6                | 276m              | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |
| <b>ADRF5515</b>     | Dual-Channel, 3.3 GHz to 4.0 GHz, 20 W Receiver Front End                   | Massive MIMO Receiver Front End      | 3.4G                               | 3.8G                               | 33                        | 32                  | 36m               | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75               | 5.25               |
| <b>ADPA1105</b>     | 46 dBm (40 W), 0.9 GHz to 1.6 GHz, GaN Power Amplifier                      | GaN Power Amp, Power Amp             | 900M                               | 1.6G                               | 34.5                      | -                   | 400m              | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>ADL8104</b>      | Wideband, High Linearity, Low Noise Amplifier, 0.4 GHz to 7.5 GHz           | Gain Block, LNA                      | 400M                               | 7.5G                               | 15                        | 32                  | 150m              | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 5.5                |



|                     | Description                                                    | RF Primary Function                  | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|---------------------|----------------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>ADL9006-Die</b>  | 2 GHz to 28 GHz, GaAs, pHEMT, MMIC Low Noise Amplifier         | LNA, Wideband Distributed Amps       | 2G                                 | 28G                                | 15.5                      | 21                  | 55                | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 7                  |
| <b>ADL9006ACGZN</b> | 2 GHz to 28 GHz, GaAs, pHEMT, MMIC Low Noise Amplifier         | LNA, Wideband Distributed Amps       | 2G                                 | 28G                                | 15.5                      | 23                  | 53m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 7                  |
| <b>ADL8150-Die</b>  | GaAs, HBT, MMIC, Low Phase Noise Amplifier, 6 GHz to 14 GHz    | Driver Amp, Low Phase Noise          | 6G                                 | 14G                                | 13                        | 31.5                | 76m               | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 6                  |
| <b>ADL8150ACPZN</b> | GaAs, HBT, MMIC, Low Phase Noise Amplifier, 6 GHz to 14 GHz    | Driver Amp, Low Phase Noise          | 6G                                 | 14G                                | 12                        | 30                  | 74m               | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 6                  |
| <b>HMC8412-Die</b>  | Low Noise Amplifier, 0.4 GHz to 11 GHz                         | Gain Block, LNA, Low Phase Noise     | 400M                               | 10G                                | 15                        | 32                  | 60m               | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 6                  |
| <b>HMC8412LP2FE</b> | Low Noise Amplifier, 0.4 GHz to 11 GHz                         | Gain Block, LNA, Low Phase Noise     | 400M                               | 11G                                | 15                        | 33                  | 60m               | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 6                  |
| <b>ADPA7006-Die</b> | 18 GHz to 44 GHz, GaAs, pHEMT, MMIC, 1/2 W Power Amplifier     | Power Amp, Wideband Distributed Amps | 18G                                | 44G                                | 22.5                      | 34                  | 800m              | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5                  |
| <b>ADPA7006AEHZ</b> | 18 GHz to 44 GHz, GaAs, pHEMT, MMIC, 1/2 W Power Amplifier     | Power Amp, Wideband Distributed Amps | 18G                                | 44G                                | 23                        | 37.5                | 800m              | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | -                  |
| <b>ADPA7007-Die</b> | GaAs, pHEMT, MMIC, 1 W Power Amplifier, 18 GHz to 44 GHz       | Power Amp, Wideband Distributed Amps | 18G                                | 44G                                | 21.5                      | 41                  | 1.4               | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5                  |
| <b>ADPA7007AEHZ</b> | GaAs, pHEMT, MMIC, 1 W Power Amplifier, 18 GHz to 44 GHz       | Power Amp, Wideband Distributed Amps | 20G                                | 44G                                | 21.5                      | 42.5                | 1.4               | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5                  |
| <b>ADH519S</b>      | Aerospace GaAs PHEMT MMIC Low Noise Amplifier, 17.5 – 31.5 GHz | LNA                                  | 17.5G                              | 31.5G                              | 11                        | 17.2                | 95m               | RECOMMENDED FOR NEW DESIGNS | 1             | 2.5                | 3.5                |

|                     | Description                                                             | RF Primary Function                  | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|---------------------|-------------------------------------------------------------------------|--------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>ADTR1107</b>     | 6 GHz to 18 GHz, Front-End IC                                           | Phased Array RF Front End, Power Amp | 6G                              | 18G                             | 17                     | 30.9     | 80m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | -       |
| <b>ADPA7002-Die</b> | GaAs, pHEMT, MMIC, 1/2 W, 20 GHz to 44 GHz, Power Amplifier             | Power Amp, Wideband Distributed Amps | 20G                             | 44G                             | 15                     | 41       | 600m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5       |
| <b>ADPA7002AEHZ</b> | GaAs, pHEMT, MMIC, 1/2 W, 20 GHz to 44 GHz, Power Amplifier             | Power Amp, Wideband Distributed Amps | 18G                             | 44G                             | 17                     | 38       | 700m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5       |
| <b>ADPA9002</b>     | GaAs, pHEMT, MMIC, Single Positive Supply, DC to 10 GHz Power Amplifier | Low Phase Noise, Power Amp           | 0                               | 10G                             | 15.5                   | 40.5     | 385m   | RECOMMENDED FOR NEW DESIGNS | 1             | 10      | 15      |
| <b>ADH8410S</b>     | Aerospace 0.01 GHz to 10 GHz, GaAs, pHEMT, MMIC, Low Noise Amplifier    | LNA                                  | 100M                            | 10G                             | 18                     | 31.5     | 65m    | RECOMMENDED FOR NEW DESIGNS | -             | -       | -       |
| <b>ADRF5547</b>     | Dual-Channel, 3.7 GHz to 5.3 GHz, Receiver Front End                    | Massive MIMO Receiver Front End      | 3.7G                            | 5.3G                            | 33                     | 31       | 36m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |
| <b>ADRF5549</b>     | Receiver Front End, Dual-Channel, 1.8 GHz to 2.8 GHz                    | Massive MIMO Receiver Front End      | 1.8G                            | 2.8G                            | 35                     | 32       | 35m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |
| <b>ADH395S</b>      | Aerospace InGaP HBT Gain Block Amplifier, DC – 4 GHz                    | Gain Block                           | 0                               | 4G                              | 15                     | 28       | 54m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5     | 7       |
| <b>HMC1082-Die</b>  | 5.5 GHz to 18 GHz, GaAs, pHEMT, MMIC, Medium Power Amplifier            | Driver Amp                           | 5.5G                            | 18G                             | 24                     | 36       | 220m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5       |
| <b>HMC1082LP4E</b>  | 5.5 GHz to 18 GHz, GaAs, pHEMT, MMIC, Medium Power Amplifier            | Driver Amp                           | 5.5G                            | 18G                             | 22                     | 35       | 220m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5       |
| <b>ADL8111</b>      | 10 MHz to 8 GHz Bypass Amplifier                                        | Gain Block, LNA with Bypass Switch   | 10M                             | 8G                              | 12.5                   | 34       | 70m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5.5     |
| <b>ADRF5545A</b>    | Dual-Channel, 2.4 GHz to 4.2 GHz Receiver Front End                     | Massive MIMO Receiver Front End      | 2.4G                            | 4.2G                            | 32                     | 32       | 36m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |

|                             | Description                                                                                  | RF Primary Function                                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|-----------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>ADA4945-1 full power</b> | High Speed, $\pm 0.1 \mu\text{V}/^\circ\text{C}$ Offset Drift, Fully Differential ADC Driver | Differential Amplifier, Single-Ended to Differential  | 0                               | 145M                            | -                      | -        | 4m     | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 10      |
| <b>ADA4945-1 low power</b>  | High Speed, $\pm 0.1 \mu\text{V}/^\circ\text{C}$ Offset Drift, Fully Differential ADC Driver | Differential Amplifier, Single-Ended to Differential  | 0                               | 145M                            | -                      | -        | 1.4m   | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 10      |
| <b>HMC8411</b>              | Low Noise Amplifier, 0.01 GHz to 10 GHz                                                      | Gain Block, LNA, Low Phase Noise                      | 10M                             | 10G                             | 15                     | 34       | 55m    | RECOMMENDED FOR NEW DESIGNS | -             | -       | -       |
| <b>HMC8411-EP</b>           | Low Noise Amplifier, 0.01 GHz to 10 GHz                                                      | Gain Block, LNA, Low Phase Noise                      | 10M                             | 10G                             | 15                     | 34       | 55m    | RECOMMENDED FOR NEW DESIGNS | -             | -       | -       |
| <b>HMC1114PM5E</b>          | >10 W (42 dBm), 2.7 GHz to 3.8 GHz, GaN Power Amplifier                                      | GaN Power Amp, Power Amp                              | 2.7G                            | 3.8G                            | 34.5                   | 44       | 150m   | PRODUCTION                  | 1             | 24      | 32      |
| <b>HMC1132PM5E</b>          | 27 GHz to 32 GHz, GaAs, pHEMT, MMIC Power Amplifier                                          | Driver Amp, Power Amp                                 | 27G                             | 32G                             | 24                     | 37       | 650m   | PRODUCTION                  | 1             | 4       | 6       |
| <b>HMC8415</b>              | 40 W (46 dBm), 9 GHz to 10.5 GHz, GaN Power Amplifier                                        | GaN Power Amp, Power Amp                              | 9G                              | 10.5G                           | 32.5                   | -        | 1      | RECOMMENDED FOR NEW DESIGNS | 1             | 28      | 28      |
| <b>HMC1099PM5E</b>          | 10 W (40 dBm), 0.01 GHz to 1.1 GHz, GaN Power Amplifier                                      | GaN Power Amp, Power Amp                              | 10M                             | 1.1G                            | 18                     | 47.5     | 100m   | PRODUCTION                  | 1             | 24      | 32      |
| <b>ADPA7001-Die</b>         | 50 GHz to 95 GHz, GaAs, pHEMT, MMIC, Wideband Power Amplifier                                | Power Amp, Wideband Distributed Amps                  | 50G                             | 95G                             | 14.5                   | 25.5     | 350m   | RECOMMENDED FOR NEW DESIGNS | 1             | 1.5     | 4       |
| <b>HMC8500PM5E</b>          | 10 W (40 dBm), 0.01 GHz to 2.8 GHz, GaN Power Amplifier                                      | GaN Power Amp, Power Amp                              | 10M                             | 2.8G                            | 15                     | 47       | 100m   | PRODUCTION                  | 1             | 24      | 32      |
| <b>ADL5569</b>              | 6.5 GHz, Ultrahigh Dynamic Range, Differential Amplifier                                     | Differential Amplifier                                | 0                               | 6.5G                            | 20                     | 41       | 86m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |
| <b>HMC637BPM5E</b>          | GaAs, pHEMT, MMIC, Single Positive Supply, DC to 7.5 GHz, 1 W Power Amplifier                | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 7.5G                            | 15.5                   | 39       | 345m   | RECOMMENDED FOR NEW DESIGNS | 1             | 8       | 13      |

|                      | Description                                                         | RF Primary Function                                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|----------------------|---------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC1040-Die</b>   | 20 GHz to 44 GHz, GaAs, pHEMT, MMIC, Low Noise Amplifier            | LNA, Wideband Distributed Amps                        | 20G                             | 44G                             | 21                     | 25.5     | 65m    | PRODUCTION                  | 1             | 2       | 3.5     |
| <b>ADMV7710</b>      | 71 GHz to 76 GHz, 1 Watt E-Band Power Amplifier With Power Detector | Power Amp                                             | 71G                             | 76G                             | 24                     | 34       | 800m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 4.5     |
| <b>ADMV7810</b>      | 81 GHz to 86 GHz, 1 W E-Band Power Amplifier with Power Detector    | Power Amp                                             | 81G                             | 86G                             | 20                     | 33       | 800m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 4.5     |
| <b>HMC907APM5E</b>   | GaAs pHEMT MMIC Power Amplifier 0.2 - 22 GHz                        | Low Phase Noise, Power Amp, Wideband Distributed Amps | 200M                            | 22G                             | 13                     | 40       | 350m   | PRODUCTION                  | 1             | 8       | 11      |
| <b>MAX2248</b>       | 1.9GHz Power Amplifier                                              | Power Amp                                             | 1.88G                           | 1.93G                           | -                      | -        | 105m   | PRODUCTION                  | -             | 2.7     | 5.5     |
| <b>HMC797APM5E</b>   | GaAs pHEMT MMIC 1 Watt Power Amplifier, DC - 22 GHz                 | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 22G                             | 15                     | 41       | 400m   | PRODUCTION                  | 1             | 8       | 11      |
| <b>HMC994APM5E</b>   | GaAs pHEMT MMIC Power Amplifier, DC - 28 GHz                        | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 28G                             | 15                     | 38       | 250m   | PRODUCTION                  | 1             | 8       | 11      |
| <b>MAX2679</b>       | GPS/GNSS Ultra-Low Current Low-Noise Amplifiers                     | LNA                                                   | 1.176G                          | 1.575G                          | 19                     | -        | 1m     | PRODUCTION                  | 1             | 1.08    | 1.98    |
| <b>MAX2679B</b>      | GPS/GNSS Ultra-Low Current Low-Noise Amplifiers                     | LNA                                                   | 1.176G                          | 1.575G                          | 16.5                   | -        | 600μ   | PRODUCTION                  | 1             | 1.08    | 1.98    |
| <b>HMC8205BCHIPS</b> | 0.3 or 0.4 GHz to 6 GHz, 35 W, GaN Power Amplifier                  | GaN Power Amp, Power Amp                              | 400M                            | 6G                              | 26.5                   | -        | 1.3m   | RECOMMENDED FOR NEW DESIGNS | 1             | 28      | 55      |
| <b>HMC8205BF</b>     | 0.3 or 0.4 GHz to 6 GHz, 35 W, GaN Power Amplifier                  | GaN Power Amp, Power Amp                              | 300M                            | 6G                              | 28                     | -        | 1.3    | RECOMMENDED FOR NEW DESIGNS | 1             | 28      | 55      |

|                    | Description                                                       | RF Primary Function                                               | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle               | # of Channels | Vs+ min | Vs+ max |
|--------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|---------------------------------|---------------|---------|---------|
| <b>ADL7003</b>     | 50 GHz to 95 GHz, GaAs, pHEMT, MMIC, Wideband Low Noise Amplifier | LNA, Wideband Distributed Amps                                    | 50G                             | 95G                             | 14                     | 21       | 120m   | RECOMMENDED FOR NEW DESIGNS     | 1             | 2       | 4       |
| <b>HMC906A-DIE</b> | GaAs pHEMT MMIC 2 Watt Power Amplifier, 27.3 - 33.5 GHz           | Power Amp                                                         | 27.3G                           | 33.5G                           | 26.5                   | 43       | 1200m  | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 5       | 6.5     |
| <b>HMC8325</b>     | 71 GHz to 86 GHz, E-Band Low Noise Amplifier                      | LNA                                                               | 71G                             | 86G                             | 21                     | 22       | 50m    | RECOMMENDED FOR NEW DESIGNS     | 1             | 3       | 4.5     |
| <b>LTC6432A-15</b> | 100kHz to 1.4GHz Differential ADC Driver/IF Amplifier             | Differential Amplifier, Gain Block                                | 100k                            | 1.4G                            | 15                     | 54.5     | 166m   | RECOMMENDED FOR NEW DESIGNS     | 1             | 4.75    | 5.25    |
| <b>LTC6432B-15</b> | 100kHz to 1.4GHz Differential ADC Driver/IF Amplifier             | Differential Amplifier, Gain Block                                | 100k                            | 1.4G                            | 15                     | 51       | 166m   | RECOMMENDED FOR NEW DESIGNS     | 1             | 4.75    | 5.25    |
| <b>MAX2678</b>     | GPS/GNSS Front-End Amplifier                                      | LNA                                                               | 1.575G                          | 1.575G                          | 34.8                   | 5        | 25m    | PRODUCTION                      | 1             | 3       | 5.25    |
| <b>LTC6419</b>     | Dual 10GHz GBW, 1.1nV/√Hz Differential Amplifier/ADC Driver       | Differential Amplifier                                            | 0                               | 1.4G                            | -                      | -        | 52m    | RECOMMENDED FOR NEW DESIGNS     | 2             | 2.7     | 5.5     |
| <b>HMC7885</b>     | 2 GHz to 6 GHz, 45 dBm Power Amplifier                            | GaN Power Amp, Power Amp                                          | 2G                              | 6G                              | 21                     | 53       | 2.2    | LAST TIME BUY                   | 1             | 27.5    | 28.5    |
| <b>HMC7950</b>     | 2 GHz to 28 GHz, GaAs pHEMT MMIC Low Noise Amplifier              | LNA, Low Phase Noise, Wideband Distributed Amps                   | 2G                              | 28G                             | 15                     | 26       | 64m    | RECOMMENDED FOR NEW DESIGNS     | 1             | 3       | 7       |
| <b>HMC392ALC4</b>  | GaAs MMIC Low Noise Amplifier, 3.5 - 8.0 GHz                      | LNA                                                               | 3.5G                            | 8G                              | 17                     | 34.5     | 61m    | PRODUCTION                      | 1             | 2       | 5.5     |
| <b>HMC5805A</b>    | GaAs pHEMT MMIC 0.25 Watt Power Amplifier, DC - 40 GHz            | Driver Amp, Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 40G                             | 11.5                   | 29       | 175m   | RECOMMENDED FOR NEW DESIGNS     | 1             | 10      | 12      |
| <b>HMC8410-Die</b> | 0.01 GHz to 10 GHz, GaAs, pHEMT, MMIC, Low Noise Amplifier        | Gain Block, LNA, Low Phase Noise                                  | 10M                             | 10G                             | 19.5                   | 31.5     | 65m    | PRODUCTION                      | 1             | 2       | 6       |

|                     | Description                                                                               | RF Primary Function              | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|---------------------|-------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC1114LP5DE</b> | 10 W, GaN Power Amplifier, 2.7 GHz to 3.8 GHz                                             | GaN Power Amp, Power Amp         | 2.7G                            | 3.8G                            | 35                     | 44       | 150m   | OBSOLETE                    | 1             | 24      | 32      |
| <b>HMC717A</b>      | GaAs pHEMT MMIC Low Noise Amplifier, 4.8 to 6.0 GHz                                       | LNA                              | 4.8G                            | 6G                              | 14.5                   | 29.5     | 73m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5.5     |
| <b>HMC7229-Die</b>  | 33 GHz to 40 GHz, GaAs, pHEMT, MMIC, 1 W Power Amplifier with Power Detector              | Power Amp                        | 33G                             | 40G                             | 24.5                   | 39       | 1.2    | LAST TIME BUY               | 1             | 5       | 6       |
| <b>HMC8401-Die</b>  | DC to 28 GHz, GaAs pHEMT MMIC Low Noise Amplifier                                         | LNA, Wideband Distributed Amps   | 10M                             | 28G                             | 14.5                   | 26       | 60m    | RECOMMENDED FOR NEW DESIGNS | 1             | 6.5     | 8.5     |
| <b>HMC8402-Die</b>  | 2 GHz to 30 GHz, GaAs, pHEMT, MMIC, Low Noise Amplifier                                   | LNA, Wideband Distributed Amps   | 2G                              | 30G                             | 13.5                   | 24       | 68m    | RECOMMENDED FOR NEW DESIGNS | 1             | 5       | 8       |
| <b>HMC8410LP2FE</b> | 0.01 GHz to 10 GHz, GaAs, pHEMT, MMIC, Low Noise Amplifier                                | Gain Block, LNA, Low Phase Noise | 10M                             | 10G                             | 19.5                   | 31.5     | 65m    | PRODUCTION                  | 1             | 2       | -       |
| <b>HMC1121</b>      | 4 W, GaAs, pHEMT, MMIC Power Amplifier, 5.5 GHz to 8.5 GHz                                | Power Amp                        | 5.5G                            | 8.5G                            | 27                     | 43       | 2200m  | RECOMMENDED FOR NEW DESIGNS | 1             | 5       | 7.5     |
| <b>ADL5567</b>      | 4.3 GHz, Ultrahigh Dynamic Range, Dual Differential Amplifier                             | Differential Amplifier           | 0                               | 4.3G                            | 20                     | 43.5     | 138m   | RECOMMENDED FOR NEW DESIGNS | 2             | 3.15    | 5.25    |
| <b>HMC952A</b>      | GaAs pHEMT MMIC 2 Watt Power Amplifier with Power Detector 8 - 14 GHz                     | Power Amp                        | 8G                              | 14G                             | 30.5                   | 43       | 1400m  | RECOMMENDED FOR NEW DESIGNS | 1             | -       | -       |
| <b>AD7293</b>       | 12-Bit Power Amplifier Current Controller with ADC, DACs, Temperature and Current Sensors | PA Drain Current Controller      | -                               | -                               | -                      | -        | 22m    | RECOMMENDED FOR NEW DESIGNS | 4             | -4.5    | 5.5     |
| <b>LTC6433A-15</b>  | Low Frequency to 1.4GHz 50Ω Gain Block IF Amplifier                                       | Gain Block                       | 100k                            | 1.4G                            | 15.9                   | 52       | 95m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.5     |

|                     | Description                                                  | RF Primary Function                                               | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|---------------------|--------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>LTC6433B-15</b>  | Low Frequency to 1.4GHz 50Ω Gain Block IF Amplifier          | Gain Block                                                        | 100k                            | 1.4G                            | 15.9                   | 49       | 95m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.5     |
| <b>ADL5721</b>      | 5.9 GHz to 8.5 GHz, Low Noise Amplifier                      | LNA                                                               | 5.9G                            | 8.5G                            | 25.9                   | 4        | 86.5m  | RECOMMENDED FOR NEW DESIGNS | 2             | 1.65    | 3.5     |
| <b>ADL5723</b>      | 10.1 GHz to 11.7 GHz, Low Noise Amplifier                    | LNA                                                               | 10.1G                           | 11.7G                           | 24.5                   | 2.2      | 109.1m | RECOMMENDED FOR NEW DESIGNS | 2             | 1.65    | 3.5     |
| <b>ADL5724</b>      | 12.7 GHz to 15.4 GHz, Low Noise Amplifier                    | LNA                                                               | 12.7G                           | 15.4G                           | 26.4                   | 2        | 109.7m | RECOMMENDED FOR NEW DESIGNS | 2             | 1.65    | 3.5     |
| <b>ADL5725</b>      | 17.7 GHz to 19.7 GHz, Low Noise Amplifier                    | LNA                                                               | 17.7G                           | 19.7G                           | 27.8                   | -1.5     | 108m   | RECOMMENDED FOR NEW DESIGNS | 2             | 1.65    | 3.5     |
| <b>ADL5726</b>      | 21.2 GHz to 23.6 GHz, Low Noise Amplifier                    | LNA                                                               | 21.2G                           | 23.6G                           | 24.7                   | 1        | 92.4m  | RECOMMENDED FOR NEW DESIGNS | 2             | 1.65    | 3.5     |
| <b>ADL5205</b>      | Dual, 35 dB Range, 1 dB Step Size DGA                        | Differential Amplifier                                            | 0                               | 1.7G                            | -                      | 46       | 175m   | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |
| <b>HMC7543</b>      | 71 GHz to 76 GHz, E-Band Power Amplifier With Power Detector | Driver Amp, Power Amp                                             | 71G                             | 76G                             | 21.5                   | 30       | 450m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 4.5     |
| <b>HMC8142</b>      | 81 GHz to 86 GHz, E-Band Power Amplifier with Power Detector | Driver Amp, Power Amp                                             | 81G                             | 86G                             | 21                     | 29       | 450m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 4.5     |
| <b>HMC8400-Die</b>  | 2 GHz to 30 GHz, GaAs pHEMT MMIC Low Noise Amplifier         | LNA, Wideband Distributed Amps                                    | 2G                              | 30G                             | 14                     | 25       | 67m    | PRODUCTION                  | 1             | 3       | 7       |
| <b>HMC1099LP5DE</b> | 10 Watt GaN Power Amplifier, 0.01 - 1.1 GHz                  | GaN Power Amp, Power Amp                                          | 10M                             | 1.1G                            | 19                     | 49       | 100m   | OBSOLETE                    | 1             | 24      | 32      |
| <b>HMC930A-Die</b>  | GaAs, pHEMT, MMIC, 0.25 W Power Amplifier, DC to 40 GHz      | Driver Amp, Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 40G                             | 13                     | 33.5     | 175m   | PRODUCTION                  | 1             | -       | -       |

|                    | Description                                                   | RF Primary Function                             | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|--------------------|---------------------------------------------------------------|-------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|--------------------|--------------------|
| <b>HMC1144-Die</b> | 35 GHz to 70 GHz, GaAs, pHEMT, MMIC, Medium Power Amplifier   | Power Amp, Wideband Distributed Amps            | 35G                             | 70G                             | 19                     | 28       | 320m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 4.5                |
| <b>HMC460-Die</b>  | GaAs PHEMT MMIC Low Noise Amplifier, DC - 20 GHz              | LNA, Low Phase Noise, Wideband Distributed Amps | 0G                              | 20G                             | 14                     | 28       | 75m    | PRODUCTION                  | 1             | -                  | -                  |
| <b>LTC6363</b>     | Precision, Low Power Differential Amplifier/ADC Driver Family | Differential Amplifier                          | 0                               | 35M                             | -                      | -        | 1.7m   | LAST TIME BUY               | 1             | 2.8                | 11                 |
| <b>LTC6363-0.5</b> | Precision, Low Power Differential Amplifier/ADC Driver Family | Differential Amplifier                          | 0                               | 60M                             | -6                     | -        | 1.7m   | LAST TIME BUY               | 1             | 2.8                | 11                 |
| <b>LTC6363-1</b>   | Precision, Low Power Differential Amplifier/ADC Driver Family | Differential Amplifier                          | 0                               | 35M                             | 0                      | -        | 1.7m   | LAST TIME BUY               | 1             | 2.8                | 11                 |
| <b>LTC6363-2</b>   | Precision, Low Power Differential Amplifier/ADC Driver Family | Differential Amplifier                          | 0                               | 21M                             | 6                      | -        | 1.7m   | LAST TIME BUY               | 1             | 2.8                | 11                 |
| <b>HMC1131</b>     | GaAs, pHEMT, MMIC, Medium Power Amplifier, 24 GHz to 35 GHz   | Driver Amp                                      | 24G                             | 35G                             | 20                     | 35       | 225m   | RECOMMENDED FOR NEW DESIGNS | 1             | 5                  | 5.5                |
| <b>ADA8282</b>     | Radar Receive Path AFE: 4-Channel LNA and PGA                 | LNA, PGA                                        | 0                               | 42.3M                           | 18                     | -        | 19.6m  | RECOMMENDED FOR NEW DESIGNS | 4             | 3                  | 3.6                |
| <b>ADA4961</b>     | Low Distortion, 3.2 GHz, RF DGA                               | DGA, Differential Amplifier                     | 0                               | 3.2G                            | 15                     | 50       | 150m   | RECOMMENDED FOR NEW DESIGNS | 1             | 3.3                | 5.5                |
| <b>LTC6430A-20</b> | High Linearity Differential RF/IF Amplifier/ADC Driver        | Differential Amplifier, Gain Block              | 20M                             | 2G                              | 20                     | 51       | 170m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |
| <b>LTC6430B-20</b> | High Linearity Differential RF/IF Amplifier/ADC Driver        | Differential Amplifier, Gain Block              | 20M                             | 2G                              | 20                     | 47       | 170m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |
| <b>LTC6431A-20</b> | 20dB Gain Block, 50Ω IF Amplifier                             | Gain Block                                      | 20M                             | 1.4G                            | 20.8                   | 48.8     | 93m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |



|                    | Description                                                                           | RF Primary Function                | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|--------------------|---------------------------------------------------------------------------------------|------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>LTC6431B-20</b> | 20dB Gain Block, 50Ω IF Amplifier                                                     | Gain Block                         | 20M                             | 1.4G                            | 20.8                   | 47.8     | 93m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>ADL5544</b>     | 30 MHz to 6 GHz RF/IF Gain Block                                                      | Gain Block, Low Phase Noise        | 30M                             | 6G                              | 17.4                   | 34.9     | 55m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>ADL5545</b>     | 30 MHz to 6 GHz RF/IF Gain Block                                                      | Gain Block, Low Phase Noise        | 30M                             | 6G                              | 24.1                   | 36.4     | 56m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>MAX2181A</b>    | FM Automotive Low-Noise Amplifier                                                     | LNA                                | 76M                             | 162.5M                          | 8.5                    | -        | 56m    | PRODUCTION                  | 1             | 4.75    | 5.25    |
| <b>ADL5611</b>     | 30 MHz to 6 GHz RF/IF Gain Block                                                      | Gain Block, Low Phase Noise        | 30M                             | 6G                              | 22.2                   | 40       | 91m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>MAX2181</b>     | FM Automotive Low-Noise Amplifier                                                     | LNA                                | 76M                             | 162.5M                          | 6                      | -        | 56m    | PRODUCTION                  | 1             | 8       | 15      |
| <b>MAX2180A</b>    | AM/FM Car Antenna Low-Noise Amplifier                                                 | LNA                                | 148k                            | 162.5M                          | 6                      | -        | 75m    | PRODUCTION                  | 1             | 6       | 24      |
| <b>LTC6430A-15</b> | High Linearity Differential RF/IF Amplifier/ADC Driver                                | Differential Amplifier, Gain Block | 20M                             | 2G                              | 15                     | 50       | 160m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>LTC6430B-15</b> | High Linearity Differential RF/IF Amplifier/ADC Driver                                | Differential Amplifier, Gain Block | 20M                             | 2G                              | 15                     | 47       | 160m   | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>ADL5566</b>     | 4.5 GHz Ultrahigh Dynamic Range, Dual Differential Amplifier                          | Differential Amplifier             | 0                               | 4.5G                            | 16                     | 51       | 160m   | RECOMMENDED FOR NEW DESIGNS | 2             | 2.8     | 5.2     |
| <b>LTC6431A-15</b> | 50Ω Gain Block IF Amplifier                                                           | Gain Block                         | 20M                             | 1.7G                            | 15.5                   | 47       | 85.1m  | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>LTC6431B-15</b> | 50Ω Gain Block IF Amplifier                                                           | Gain Block                         | 20M                             | 1.7G                            | 15.5                   | 45.5     | 85.1m  | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75    | 5.25    |
| <b>LTC6417</b>     | 1.6GHz Low Noise High Linearity Differential Buffer/16-Bit ADC Driver with Fast Clamp | Differential Amplifier             | 0                               | 1.6G                            | 0                      | 43       | 123m   | LAST TIME BUY               | 1             | 4.75    | 5.25    |

|                 | Description                                                                       | RF Primary Function    | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|-----------------|-----------------------------------------------------------------------------------|------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>MAX2612</b>  | 40MHz to 4GHz Linear Broadband Amplifiers                                         | LNA                    | 40M                             | 4G                              | 18.3                   | 35.2     | 69m    | PRODUCTION                  | 1             | 3       | 525     |
| <b>MAX2613</b>  | 40MHz to 4GHz Linear Broadband Amplifiers                                         | LNA                    | 40M                             | 4G                              | 18.6                   | 31.2     | 51.2m  | PRODUCTION                  | 1             | 3       | 525     |
| <b>MAX2614</b>  | 40MHz to 4GHz Linear Broadband Amplifiers                                         | LNA                    | 40M                             | 4G                              | 18.6                   | 29.7     | 40.6m  | PRODUCTION                  | 1             | 3       | 525     |
| <b>MAX2615</b>  | 40MHz to 4GHz Linear Broadband Amplifiers                                         | LNA                    | 40M                             | 4G                              | 18.5                   | 37.6     | 81.5m  | PRODUCTION                  | 1             | 3       | 525     |
| <b>MAX2616</b>  | 40MHz to 4GHz Linear Broadband Amplifiers                                         | LNA                    | 40M                             | 4G                              | 18.4                   | 37.2     | 80.6m  | PRODUCTION                  | 1             | 3       | 525     |
| <b>MAX2686L</b> | GPS/GNSS Low-Noise Amplifiers with Integrated LDO                                 | LNA                    | 1.575G                          | 1.61G                           | 19                     | 15       | 5m     | PRODUCTION                  | 1             | 1.6     | 4.2     |
| <b>MAX2693L</b> | GPS/GNSS Low-Noise Amplifiers with Integrated LDO                                 | LNA                    | 1.575G                          | 1.61G                           | 18.4                   | 4.1      | 1.8m   | PRODUCTION                  | 1             | 1.6     | 4.2     |
| <b>ADL5324</b>  | 400 MHz TO 4000 MHz ½ Watt RF Driver Amplifier                                    | Driver Amp             | 400M                            | 4G                              | 14                     | 45.5     | 60m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3.3     | 5       |
| <b>LTC6362</b>  | Precision, Low Power Rail-to-Rail Input/Output Differential Op Amp/SAR ADC Driver | Differential Amplifier | 0                               | 34M                             | 0                      | -        | 900μ   | LAST TIME BUY               | 1             | 2.8     | 5.25    |
| <b>MAX2691</b>  | L2 Band GPS Low-Noise Amplifier                                                   | LNA                    | 1.15G                           | 1.3G                            | 17.5                   | 14.5     | 4.3m   | PRODUCTION                  | 1             | 1.6     | 3.6     |
| <b>MAX2694</b>  | GPS/GNSS Low-Noise Amplifiers                                                     | LNA                    | 1.575G                          | 1.61G                           | 11.6                   | 18.45    | 4.5m   | PRODUCTION                  | 1             | 1.6     | 3.6     |
| <b>MAX2692</b>  | WLAN/WiMAX Low-Noise Amplifiers                                                   | LNA                    | 2.2G                            | 2.9G                            | 18.2                   | 15.2     | 4m     | PRODUCTION                  | 1             | 1.6     | 3.6     |
| <b>AD8476</b>   | Low Power, Unity Gain Fully Differential Amplifier & ADC Driver                   | Differential Amplifier | -                               | -                               | -                      | -        | 330μ   | PRODUCTION                  | 1             | 3       | 18      |

|                  | Description                                                      | RF Primary Function    | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|------------------|------------------------------------------------------------------|------------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>MAX2670</b>   | GPS/GNSS Front-End Amplifier                                     | LNA                    | 1.575G                             | 1.575G                             | 34.8                      | 5.8                 | 25m               | PRODUCTION                  | 1             | 3                  | 5.5                |
| <b>ADL5565</b>   | 6 GHz Ultrahigh Dynamic Range Differential Amplifier             | Differential Amplifier | 0                                  | 6G                                 | 15.5                      | 53                  | 80m               | RECOMMENDED FOR NEW DESIGNS | 1             | 2.8                | 5.2                |
| <b>ADL5605</b>   | 700 MHz TO 1000 MHz, 1 W RF Driver Amplifier                     | Driver Amp             | 700M                               | 1G                                 | 23                        | 43.4                | 307m              | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |
| <b>ADL5606</b>   | 1800 MHz TO 2700 MHz, 1 W RF Driver Amplifier                    | Driver Amp             | 1.8G                               | 2.7G                               | 24.3                      | 45.5                | 362m              | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |
| <b>MAX2674</b>   | GPS/GNSS LNAs with Antenna Switch and Bias                       | LNA                    | 1.575G                             | 1.575G                             | 18                        | 16                  | 4.5m              | PRODUCTION                  | 1             | 1.6                | 3.6                |
| <b>MAX2676</b>   | GPS/GNSS LNAs with Antenna Switch and Bias                       | LNA                    | 1.575G                             | 1.575G                             | 15                        | 20                  | 4.5m              | PRODUCTION                  | 1             | 1.6                | 3.6                |
| <b>AD8475</b>    | Precision, Selectable Gain, Fully Differential Funnel Amplifier  | Differential Amplifier | -                                  | -                                  | -                         | -                   | 3m                | PRODUCTION                  | 1             | 3                  | 10                 |
| <b>ADA4930-1</b> | Ultralow Noise Drivers for Low Voltage ADCs                      | Differential Amplifier | -                                  | -                                  | -                         | -                   | 35m               | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 5.25               |
| <b>ADA4930-2</b> | Ultralow Noise Drivers for Low Voltage ADCs                      | Differential Amplifier | -                                  | -                                  | -                         | -                   | 70m               | RECOMMENDED FOR NEW DESIGNS | 2             | 3                  | 5.25               |
| <b>MAX9626</b>   | Low-Noise, Low-Distortion, 1.35GHz Fully Differential Amplifiers | Differential Amplifier | 0                                  | 1.15G                              | 0                         | -                   | 59m               | PRODUCTION                  | 1             | 2.85               | 5.25               |
| <b>MAX9627</b>   | Low-Noise, Low-Distortion, 1.35GHz Fully Differential Amplifiers | Differential Amplifier | 0                                  | 1.35G                              | 6                         | -                   | 59m               | PRODUCTION                  | 1             | 2.85               | 5.25               |
| <b>LTC6409</b>   | 10GHz GBW, 1.1nV/√Hz Differential Amplifier/ADC Driver           | Differential Amplifier | -                                  | 2G                                 | 0                         | -                   | 52m               | RECOMMENDED FOR NEW DESIGNS | 1             | 5.25               | 2.7                |
| <b>MAX2667</b>   | GPS/GNSS Ultra-Low-Noise-Figure LNAs                             | LNA                    | 1.575G                             | 1.61G                              | 19.5                      | 16                  | 4.1m              | PRODUCTION                  | 1             | 1.6                | 3.3                |

|                  | Description                                                 | RF Primary Function         | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|------------------|-------------------------------------------------------------|-----------------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>MAX2686</b>   | GPS/GNSS Low-Noise Amplifiers                               | LNA                         | 1.575G                             | 1.61G                              | 19                        | 16                  | 4.1m              | PRODUCTION                  | 1             | 1.6                | 3.3                |
| <b>MAX2688</b>   | GPS/GNSS Low-Noise Amplifiers                               | LNA                         | 1.575G                             | 1.61G                              | 15.4                      | 19.4                | 4.1m              | PRODUCTION                  | 1             | 1.6                | 3.3                |
| <b>AD8351S</b>   | Aerospace Low Distortion Fully Differential RF/IF Amplifier | Differential Amplifier      | -                                  | -                                  | -                         | -                   | -                 | PRODUCTION                  | 1             | -                  | -                  |
| <b>ADA4940-1</b> | Ultralow Power, Low Distortion ADC Driver                   | Differential Amplifier      | 0                                  | 260M                               | -                         | -                   | 1.25m             | PRODUCTION                  | 1             | 3                  | 7                  |
| <b>ADA4940-2</b> | Ultralow Power, Low Distortion ADC Driver                   | Differential Amplifier      | 0                                  | 260M                               | -                         | -                   | 1.25m             | PRODUCTION                  | 2             | 3                  | 7                  |
| <b>ADA4960-1</b> | 5 GHz, Low Distortion ADC Driver/Line Driver                | Differential Amplifier      | -                                  | -                                  | -                         | -                   | 60m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.75               | 5.25               |
| <b>ADL5535</b>   | 20 MHz TO 1.0 GHz IF Gain Block                             | Gain Block                  | 20M                                | 1G                                 | 16                        | 45.5                | 97m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |
| <b>ADL5536</b>   | 20 MHz TO 1.0 GHz IF Gain Block                             | Gain Block                  | 20M                                | 1G                                 | 20                        | 45                  | 105m              | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |
| <b>MAX2657</b>   | GPS/GNSS Low-Noise Amplifiers                               | LNA                         | 1.563G                             | 1.62G                              | 19.5                      | 16                  | 4.1m              | PRODUCTION                  | 1             | 1.6                | 3.3                |
| <b>MAX2658</b>   | GPS/GNSS Low-Noise Amplifiers                               | LNA                         | 1.563G                             | 1.62G                              | 17.7                      | 22.2                | 7.7m              | PRODUCTION                  | 1             | 1.6                | 3.3                |
| <b>LTC6412</b>   | 800MHz, 31dB Range Analog-Controlled VGA                    | Differential Amplifier      | -                                  | 800M                               | -14                       | 35                  | 110m              | LAST TIME BUY               | 1             | 3                  | 3.6                |
| <b>ADL5601</b>   | 50 MHz TO 4.0 GHz RF/IF Gain Block                          | Gain Block                  | 50M                                | 4G                                 | 15                        | 43                  | 83m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |
| <b>ADL5604</b>   | 700 MHz TO 2700 MHz 1 W RF Driver Amplifier                 | Driver Amp                  | 700M                               | 2.7G                               | 12.2                      | 42.2                | 318m              | PRODUCTION                  | 1             | 4.75               | 5.25               |
| <b>ADL5602</b>   | 50 MHz TO 4.0 GHz RF/IF Gain Block                          | Gain Block, Low Phase Noise | 50M                                | 4G                                 | 19.3                      | 42                  | 89m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |

|                  | Description                                                    | RF Primary Function    | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|------------------|----------------------------------------------------------------|------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>MAX2634</b>   | 315MHz/433MHz Low-Noise Amplifier for Automotive RKE           | LNA                    | 100M                            | 1G                              | 15.5                   | -0.5     | 2.5m   | PRODUCTION                  | 1             | 2.2     | 5.5     |
| <b>ADL5561</b>   | 2.9 GHz Ultralow Distortion RF/IF Differential Amplifier       | Differential Amplifier | 0                               | 2.9G                            | 15.5                   | 49       | 40m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 3.6     |
| <b>ADL5562</b>   | 3.3 GHz Ultralow Distortion RF/IF Differential Amplifier       | Differential Amplifier | 0                               | 3.3G                            | 15.5                   | 47       | 80m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 3.6     |
| <b>MAX11008</b>  | Dual RF LDMOS Bias Controller with Nonvolatile Memory          | LDMOS Bias Controller  | -                               | -                               | -                      | -        | -      | RECOMMENDED FOR NEW DESIGNS | -             | 4.75    | 5.25    |
| <b>ADA4950-1</b> | Low Power Selectable Gain Differential ADC Driver, G = 1, 2, 3 | Differential Amplifier | -                               | -                               | -                      | -        | 9.5m   | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 11      |
| <b>ADA4950-2</b> | Low Power Selectable Gain Differential ADC Driver, G = 1, 2, 3 | Differential Amplifier | -                               | -                               | -                      | -        | 19m    | RECOMMENDED FOR NEW DESIGNS | 2             | 3       | 11      |
| <b>LTC6416</b>   | 2GHz Low Noise Differential 16-Bit ADC Buffer                  | Differential Amplifier | -                               | 2G                              | 0                      | 40       | 42m    | LAST TIME BUY               | 1             | 2.7     | 3.9     |
| <b>ADA4927-1</b> | Ultralow Distortion Current Feedback Differential ADC Driver   | Differential Amplifier | -                               | -                               | -                      | -        | 22.1m  | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5     | 11      |
| <b>ADA4927-2</b> | Ultralow Distortion Current Feedback Differential ADC Driver   | Differential Amplifier | -                               | -                               | -                      | -        | 44.2m  | RECOMMENDED FOR NEW DESIGNS | 2             | 4.5     | 11      |
| <b>ADA4932-1</b> | Low Power Differential ADC Driver                              | Differential Amplifier | -                               | -                               | -                      | -        | 9.6m   | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 11      |
| <b>ADA4932-2</b> | Low Power Differential ADC Driver                              | Differential Amplifier | -                               | -                               | -                      | -        | 19.2m  | RECOMMENDED FOR NEW DESIGNS | 2             | 3       | 11      |
| <b>ADL5523</b>   | 400 MHz TO 4000 MHz Low Noise Amplifier                        | LNA                    | 400M                            | 4G                              | 21.5                   | 34       | 60m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5       |

|                   | Description                                                             | RF Primary Function    | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|-------------------|-------------------------------------------------------------------------|------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>LT6604-10</b>  | Dual Very Low Noise, Differential Amplifier and 10MHz Lowpass Filter    | Differential Amplifier | -                               | 10M                             | 0                      | -        | 35m    | RECOMMENDED FOR NEW DESIGNS | 2             | 2.7     | 5.25    |
| <b>LT6604-15</b>  | Dual Very Low Noise, Differential Amplifier and 15MHz Lowpass Filter    | Differential Amplifier | -                               | 15M                             | 0                      | -        | 35m    | RECOMMENDED FOR NEW DESIGNS | 2             | 2.7     | 5.25    |
| <b>LTC6400-8</b>  | 2.2GHz Low Noise, Low Distortion Differential ADC Driver for DC-300MHz  | Differential Amplifier | -                               | 2.2G                            | 8                      | -        | 85m    | LAST TIME BUY               | 1             | 2.85    | 3.5     |
| <b>LT6604-2.5</b> | Dual Very Low Noise, Differential Amplifier and 2.5MHz Lowpass Filter   | Differential Amplifier | -                               | 2.5M                            | 0                      | -        | 26m    | RECOMMENDED FOR NEW DESIGNS | 2             | 2.7     | 5.25    |
| <b>LT6604-5</b>   | Dual Very Low Noise, Differential Amplifier and 5MHz Lowpass Filter     | Differential Amplifier | -                               | 5M                              | 0                      | -        | 26m    | RECOMMENDED FOR NEW DESIGNS | 2             | 2.7     | 5.25    |
| <b>AD8366</b>     | DC to 600 MHz, Dual-Digital Variable Gain Amplifiers                    | Differential Amplifier | -                               | -                               | -                      | 45       | 180m   | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |
| <b>LTC6405</b>    | 2.7GHz, 5V, Low Noise, Rail-to-Rail Input Differential Amplifier/Driver | Differential Amplifier | -                               | 800M                            | 0                      | -        | 18m    | LAST TIME BUY               | 1             | 4.5     | 5.25    |
| <b>LTC6400-14</b> | 2.4GHz Low Noise, Low Distortion Differential ADC Driver for 300MHz IF  | Differential Amplifier | -                               | 2.4G                            | 14                     | -        | 85m    | LAST TIME BUY               | 1             | 2.85    | 3.5     |
| <b>ADA4939-1</b>  | Ultralow Distortion Differential ADC Driver                             | Differential Amplifier | -                               | -                               | -                      | -        | 37.7m  | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5.25    |
| <b>ADA4939-2</b>  | Ultralow Distortion Differential ADC Driver                             | Differential Amplifier | -                               | -                               | -                      | -        | 75.4m  | RECOMMENDED FOR NEW DESIGNS | 2             | 3       | 5.25    |
| <b>AD8138S</b>    | Aerospace 320 MHz Low Distortion Differential Amplifier                 | Differential Amplifier | -                               | -                               | -                      | -        | 20m    | PRODUCTION                  | 1             | -       | -       |

|                   | Description                                                                   | RF Primary Function    | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain dB <sup>typ</sup> | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------|-------------------------------------------------------------------------------|------------------------|---------------------------------|---------------------------------|------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>LTC6401-14</b> | 2GHz Low Noise, Low Distortion Differential ADC Driver for DC-140MHz          | Differential Amplifier | -                               | 2G                              | 14                     | -                   | 45m               | LAST TIME BUY               | 1             | 2.85               | 3.5                |
| <b>LTC6420-20</b> | Dual Matched 1.8GHz Differential Amplifiers/ADC Drivers                       | Differential Amplifier | -                               | 1.8G                            | 20                     | -                   | 80m               | LAST TIME BUY               | 2             | 2.85               | 3.5                |
| <b>LTC6421-20</b> | Dual Matched 1.3GHz Differential Amplifiers/ADC Drivers                       | Differential Amplifier | -                               | 1.3G                            | 20                     | -                   | 40m               | LAST TIME BUY               | 2             | 2.85               | 3.5                |
| <b>ADA4937-1</b>  | Ultralow Distortion Differential ADC Driver (Single)                          | Differential Amplifier | -                               | -                               | -                      | -                   | 39.5m             | RECOMMENDED FOR NEW DESIGNS | 1             | 3.3                | 5                  |
| <b>ADA4937-2</b>  | Ultralow Distortion Differential ADC Driver (Dual)                            | Differential Amplifier | -                               | -                               | -                      | -                   | 80m               | RECOMMENDED FOR NEW DESIGNS | 2             | 3                  | 5.25               |
| <b>AD8372</b>     | 41 dB Range, 1 dB Step Size, Programmable Dual VGA                            | Differential Amplifier | -                               | -                               | -                      | 35                  | 212m              | RECOMMENDED FOR NEW DESIGNS | 2             | 4.5                | 5.5                |
| <b>AD8139</b>     | Low Noise, Rail-to-Rail, Differential ADC Driver                              | Differential Amplifier | -                               | -                               | -                      | -                   | 24.5m             | RECOMMENDED FOR NEW DESIGNS | 1             | 3                  | 11                 |
| <b>ADL5321</b>    | 2.3 GHz TO 4.0 GHz ¼ Watt RF Driver Amplifier                                 | Driver Amp             | 2.3G                            | 4G                              | 14                     | 41                  | 37m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |
| <b>LTC6401-8</b>  | 2.2GHz Low Noise, Low Distortion Differential ADC Driver for DC-140MHz        | Differential Amplifier | -                               | 2.2G                            | 8                      | -                   | 45m               | LAST TIME BUY               | 1             | 2.85               | 3.5                |
| <b>LTC6403-1</b>  | 200MHz, Low Noise, Low Power Fully Differential Input/Output Amplifier/Driver | Differential Amplifier | -                               | 200M                            | 0                      | -                   | 10.8m             | LAST TIME BUY               | 1             | 2.7                | 5.25               |
| <b>LTC6400-26</b> | 1.9GHz Low Noise, Low Distortion Differential ADC Driver for DC-300MHz        | Differential Amplifier | -                               | 1.9G                            | 26                     | -                   | 85m               | LAST TIME BUY               | 1             | 2.85               | 3.5                |
| <b>LTC6401-26</b> | 1.6GHz Low Noise, Low Distortion Differential ADC Driver for DC-140MHz        | Differential Amplifier | -                               | 1.6G                            | 26                     | -                   | 45m               | LAST TIME BUY               | 1             | 2.85               | 3.5                |

|                  | Description                                                                           | RF Primary Function         | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|------------------|---------------------------------------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>LTC6404-1</b> | 600MHz, Low Noise, High Precision Fully Differential Input/Output Amplifier/Driver    | Differential Amplifier      | -                               | 600M                            | 0                      | -        | 27.2m  | LAST TIME BUY               | 1             | 2.7     | 5.25    |
| <b>LTC6404-2</b> | 600MHz, Low Noise, High Precision Fully Differential Input/Output Amplifier/Driver    | Differential Amplifier      | -                               | 600M                            | 0                      | -        | 29.7m  | LAST TIME BUY               | 1             | 2.7     | 5.25    |
| <b>LTC6404-4</b> | 600MHz, Low Noise, High Precision Fully Differential Input/Output Amplifier/Driver    | Differential Amplifier      | -                               | 530M                            | 0                      | -        | 30m    | LAST TIME BUY               | 1             | 2.7     | 5.25    |
| <b>ADL5531</b>   | 20 MHz TO 500 MHz IF Gain Block                                                       | Gain Block                  | 20M                             | 500M                            | 20.9                   | 41       | 100m   | PRODUCTION                  | 1             | 4.75    | 5.25    |
| <b>ADA4938-1</b> | Ultralow Distortion Differential ADC Driver (Single)                                  | Differential Amplifier      | -                               | -                               | -                      | -        | 40m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5     | 11      |
| <b>ADA4938-2</b> | Ultralow Distortion Differential ADC Driver (Dual)                                    | Differential Amplifier      | -                               | -                               | -                      | -        | 80m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.5     | 11      |
| <b>AD8368</b>    | 800 MHz, Linear-in-dB VGA with AGC Detector                                           | Differential Amplifier, VGA | -                               | -                               | -                      | 34       | 60m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5     | 5.5     |
| <b>ADL5542</b>   | 20 MHz to 6 GHz RF/IF Gain Block, Fixed Gain of 20 dB                                 | Gain Block                  | 20M                             | 6G                              | 18.7                   | 39       | 93m    | PRODUCTION                  | 1             | 4.5     | 5.5     |
| <b>LTC6410-6</b> | Low Distortion, Low Noise Differential IF Amplifier with Configurable Input Impedance | Differential Amplifier      | -                               | 1.4G                            | 6                      | -        | 104m   | LAST TIME BUY               | 1             | 5.25    | 2.8     |
| <b>AD8375</b>    | Ultralow Distortion IF VGA                                                            | Differential Amplifier      | -                               | -                               | -                      | 50       | 125m   | PRODUCTION                  | 1             | 4.5     | 5.5     |
| <b>AD8376</b>    | Ultralow Distortion IF Dual VGA                                                       | Differential Amplifier      | -                               | -                               | -                      | 50       | 250m   | RECOMMENDED FOR NEW DESIGNS | 2             | 4.5     | 5.5     |
| <b>ADL5541</b>   | 20 MHz to 6 GHz RF/IF Gain Block, Fixed Gain of 15 dB                                 | Gain Block                  | 20M                             | 6G                              | 14.7                   | 39.2     | 90m    | PRODUCTION                  | 1             | 4.5     | 5.5     |
| <b>LTC6406</b>   | 3GHz, Low Noise, Rail-to-Rail Input Differential Amplifier/Driver                     | Differential Amplifier      | -                               | 800M                            | 0                      | -        | 18m    | LAST TIME BUY               | 1             | 2.7     | 3.5     |



|                   | Description                                                            | RF Primary Function         | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|-------------------|------------------------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>ADL5320</b>    | 400 MHz TO 2700 MHz ¼ Watt RF Driver Amplifier                         | Driver Amp                  | 400M                            | 2.7G                            | 13.2                   | 42       | 47m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3.3     | 5       |
| <b>ADL5534</b>    | 20 MHz TO 500 MHz IF Amplifier                                         | Gain Block                  | 20M                             | 500M                            | 21                     | 40       | 98m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.75    | 5.25    |
| <b>ADL5521</b>    | 400 MHz TO 4000 MHz Low Noise Amplifier                                | LNA, Low Phase Noise        | 400M                            | 4G                              | 20.8                   | 37       | 60m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5       |
| <b>LTC6400-20</b> | 1.8GHz Low Noise, Low Distortion Differential ADC Driver for 300MHz IF | Differential Amplifier      | -                               | 1.8G                            | 20                     | -        | 90m    | LAST TIME BUY               | 1             | 2.85    | 3.5     |
| <b>LTC6401-20</b> | 1.3GHz Low Noise, Low Distortion Differential ADC Driver for 140MHz IF | Differential Amplifier      | -                               | 1.3G                            | 20                     | -        | 50m    | LAST TIME BUY               | 1             | 2.85    | 3.5     |
| <b>MAX2659</b>    | GPS/GNSS Low-Noise Amplifier                                           | LNA                         | 1.45G                           | 1.75G                           | 20.5                   | 15.5     | 4.1m   | PRODUCTION                  | 1             | 1.6     | 3.3     |
| <b>AD8138</b>     | Low Distortion Differential ADC Driver                                 | Differential Amplifier      | -                               | -                               | -                      | -        | 20m    | PRODUCTION                  | 1             | 3       | 5.5     |
| <b>AD8370</b>     | 750 MHz Digitally Controlled Variable Gain Amplifier                   | Differential Amplifier, VGA | -                               | -                               | -                      | 35       | 79m    | PRODUCTION                  | 1             | 3       | 5.5     |
| <b>AD8132</b>     | Low Cost, High Speed Differential Amplifier                            | Differential Amplifier      | -                               | -                               | -                      | -        | 12m    | PRODUCTION                  | 1             | 2.8     | 11      |
| <b>AD8352</b>     | 2 GHz Ultralow Distortion Differential RF/IF Amplifier                 | Differential Amplifier      | -                               | -                               | -                      | 41       | 37m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3       | 5.5     |
| <b>LT6411</b>     | 650MHz Differential ADC Driver/Dual Selectable Gain Amplifier          | Differential Amplifier      | -                               | 650M                            | 0                      | 44.5     | 16m    | RECOMMENDED FOR NEW DESIGNS | 2             | 4.5     | 12.6    |
| <b>ADL5530</b>    | DC to 1000 MHz IF Gain Block                                           | Gain Block                  | 10M                             | 1G                              | 16.8                   | 37       | 110m   | LAST TIME BUY               | 1             | 3       | 5       |
| <b>AD8353</b>     | 1 MHz TO 2.7 GHz RF Gain Block                                         | Gain Block                  | 1M                              | 2.7G                            | 20                     | 22.8     | 42m    | PRODUCTION                  | 1             | 4.5     | 5.5     |

|                  | Description                                                                     | RF Primary Function         | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain dB <sup>typ</sup> | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle               | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|------------------|---------------------------------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------|------------------------|---------------------|-------------------|---------------------------------|---------------|--------------------|--------------------|
| <b>AD8354</b>    | 1 MHz TO 2.7 GHz RF Gain Block                                                  | Gain Block                  | 1M                              | 2.7G                            | 20                     | 19.3                | 25m               | PRODUCTION                      | 1             | 3                  | 5                  |
| <b>LT6402-12</b> | 300MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 12dB)  | Differential Amplifier      | -                               | 300M                            | 12                     | -                   | 30m               | RECOMMENDED FOR NEW DESIGNS     | 1             | 4                  | 5.5                |
| <b>LT6402-20</b> | 300MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 20dB)  | Differential Amplifier      | -                               | 300M                            | 20                     | -                   | 30m               | PRODUCTION                      | 1             | 4                  | 5.5                |
| <b>LT6402-6</b>  | 300MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 6dB)   | Differential Amplifier      | -                               | 300M                            | 6                      | -                   | 30m               | RECOMMENDED FOR NEW DESIGNS     | 1             | 4                  | 5.5                |
| <b>MAX12000</b>  | 1575MHz GPS Front-End Amplifier                                                 | LNA                         | 1.575G                          | 1.575G                          | 34.8                   | 5.8                 | 25m               | PRODUCTION                      | 1             | 3                  | 5                  |
| <b>AD8351</b>    | Low Distortion Differential RF/IF Amplifier                                     | Differential Amplifier      | -                               | -                               | -                      | 31                  | 28m               | PRODUCTION                      | 1             | 3                  | 5.5                |
| <b>AD8369</b>    | 600 MHz, 45 dB Digitally Controlled Variable Gain Amplifier                     | Differential Amplifier, VGA | -                               | -                               | -                      | 19.5                | 37m               | PRODUCTION                      | 1             | 3                  | 5.5                |
| <b>AD8350</b>    | Low Distortion 1.0 GHz Differential Amplifier                                   | Differential Amplifier      | -                               | -                               | -                      | 28                  | 30m               | PRODUCTION                      | 1             | 4                  | 11                 |
| <b>AD8137</b>    | Low Cost, Low Power Differential ADC Driver                                     | Differential Amplifier      | -                               | -                               | -                      | -                   | 3.2m              | PRODUCTION                      | 1             | 3                  | 11                 |
| <b>AD8131</b>    | Low-Cost, High Speed Differential Driver                                        | Differential Amplifier      | -                               | -                               | -                      | -                   | 11.5m             | PRODUCTION                      | 1             | 2.7                | 11                 |
| <b>LT1994</b>    | Low Noise, Low Distortion Fully Differential Input/Output Amplifier/Driver      | Differential Amplifier      | -                               | 70M                             | 0                      | -                   | 13.3m             | PRODUCTION                      | 1             | 2.375              | 12.6               |
| <b>LT1993-10</b> | 700MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 10V/V) | Differential Amplifier      | -                               | 700M                            | 20                     | -                   | 100m              | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 4                  | 5.5                |

|                   | Description                                                                    | RF Primary Function    | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle               | # of Channels | Vs+ min | Vs+ max |
|-------------------|--------------------------------------------------------------------------------|------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|---------------------------------|---------------|---------|---------|
| <b>LT1993-2</b>   | 800MHz Low Distortion, Low Noise Differential Amplifier ADC Driver (Av = 2V/V) | Differential Amplifier | -                               | 800M                            | 6                      | -        | 100m   | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5.5     |
| <b>LT1993-4</b>   | 900MHz Low Distortion, Low Noise Differential Amplifier/ADC Driver (AV = 4V/V) | Differential Amplifier | -                               | 900M                            | 12                     | -        | 100m   | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5.5     |
| <b>LT5524</b>     | Low Distortion IF Amplifier/ADC Driver with Digitally Controlled Gain          | Differential Amplifier | -                               | -                               | -                      | 34       | 34m    | PRODUCTION                      | 1             | 4.75    | 5.25    |
| <b>LT5514</b>     | Ultralow Distortion IF Amplifier/ADC Driver with Digitally Controlled Gain     | Differential Amplifier | -                               | -                               | -                      | 41       | 64m    | PRODUCTION                      | 1             | 4.75    | 5.25    |
| <b>LTC1992</b>    | Low Power, Fully Differential Input/Output Amplifier/Driver Family             | Differential Amplifier | -                               | -                               | 0                      | -        | 650μ   | PRODUCTION                      | 1             | 2.7     | 11      |
| <b>LTC1992-1</b>  | Low Power, Fully Differential Input/Output Amplifier/Driver Family             | Differential Amplifier | -                               | -                               | 0                      | -        | 650μ   | PRODUCTION                      | 1             | 2.7     | 11      |
| <b>LTC1992-10</b> | Low Power, Fully Differential Input/Output Amplifier/Driver Family             | Differential Amplifier | -                               | -                               | 20                     | -        | 650μ   | PRODUCTION                      | 1             | 2.7     | 11      |
| <b>LTC1992-2</b>  | Low Power, Fully Differential Input/Output Amplifier/Driver Family             | Differential Amplifier | -                               | -                               | 6                      | -        | 650μ   | PRODUCTION                      | 1             | 2.7     | 11      |
| <b>LTC1992-5</b>  | Low Power, Fully Differential Input/Output Amplifier/Driver Family             | Differential Amplifier | -                               | -                               | 14                     | -        | 650μ   | PRODUCTION                      | 1             | 2.7     | 11      |
| <b>LT6600-10</b>  | Very Low Noise, Differential Amplifier and 10MHz Lowpass Filter                | Differential Amplifier | -                               | 10M                             | 0                      | -        | 39m    | PRODUCTION                      | 1             | 3       | 11      |

|            | Description                                                      | RF Primary Function    | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ <sup>Is typ</sup> | Product Lifecycle | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|------------|------------------------------------------------------------------|------------------------|---------------------------------|---------------------------------|------------------------|----------------------------|-------------------|---------------|--------------------|--------------------|
| LT6600-15  | Very Low Noise, Differential Amplifier and 15MHz Lowpass Filter  | Differential Amplifier | -                               | 15M                             | 0                      | - 46m                      | PRODUCTION        | 1             | 3                  | 11                 |
| LT6600-2.5 | Very Low Noise, Differential Amplifier and 2.5MHz Lowpass Filter | Differential Amplifier | -                               | 2.5M                            | 0                      | - 26m                      | PRODUCTION        | 1             | 3                  | 11                 |
| LT6600-20  | Very Low Noise, Differential Amplifier and 20MHz Lowpass Filter  | Differential Amplifier | -                               | 20M                             | 0                      | - 46m                      | PRODUCTION        | 1             | 3                  | 11                 |
| LT6600-5   | Very Low Noise, Differential Amplifier and 5MHz Lowpass Filter   | Differential Amplifier | -                               | 5M                              | 0                      | - 28m                      | PRODUCTION        | 1             | 3                  | 11                 |
| MAX2371    | LNAs with Step Attenuator and VGA                                | LNA                    | 100M                            | 1G                              | 15                     | 13.5 2.5m                  | PRODUCTION        | 1             | 2.65               | 3.3                |
| MAX2373    | LNAs with Step Attenuator and VGA                                | LNA                    | 100M                            | 1G                              | 15                     | 14.5 2.5m                  | PRODUCTION        | 1             | 2.65               | 3.3                |
| MAX2644    | 2.4GHz SiGe, High IP3 Low-Noise Amplifier                        | LNA                    | 2.4G                            | 2.5G                            | 17                     | 14 2.7m                    | PRODUCTION        | 1             | 2.7                | 5.5                |
| MAX2655    | 1575MHz/1900MHz Variable-IP3 Low-Noise Amplifiers                | LNA                    | 1.4G                            | 1.7G                            | 14.1                   | 16.9 5.9m                  | PRODUCTION        | 1             | 2.7                | 5.5                |
| MAX2645    | 3.4GHz to 3.8GHz SiGe Low-Noise Amplifier/PA Predriver           | LNA                    | 3.4G                            | 3.8G                            | 14.4                   | 25 2.7m                    | PRODUCTION        | 1             | 3                  | 5.5                |
| MAX2642    | 900MHz SiGe, High-Variable IP3, Low-Noise Amplifier              | LNA                    | 800M                            | 1G                              | 16.7                   | 16.7 5.3m                  | PRODUCTION        | 1             | 2.7                | 5.5                |
| MAX2643    | 900MHz SiGe, High-Variable IP3, Low-Noise Amplifier              | LNA                    | 800M                            | 1G                              | 16.7                   | 16.7 2.8m                  | PRODUCTION        | 1             | 2.7                | 5.5                |
| MAX2685    | Low-Cost, 900MHz, Low-Noise Amplifier and Downconverter Mixer    | LNA                    | 800M                            | 1G                              | 15                     | - 3.8m                     | PRODUCTION        | -             | 2.7                | 5.5                |

|                       | Description                                                                 | RF Primary Function | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle               | # of Channels | Vs+ min | Vs+ max |
|-----------------------|-----------------------------------------------------------------------------|---------------------|---------------------------------|---------------------------------|------------------------|----------|--------|---------------------------------|---------------|---------|---------|
| <b>MAX2232</b>        | 900MHz ISM-Band, 250mW Power Amplifiers with Analog or Digital Gain Control | Power Amp           | 800M                            | 1G                              | -                      | -        | -      | PRODUCTION                      | -             | 2.7     | 5.5     |
| <b>MAX2233</b>        | 900MHz ISM-Band, 250mW Power Amplifiers with Analog or Digital Gain Control | Power Amp           | 800M                            | 1G                              | -                      | -        | -      | PRODUCTION                      | -             | 2.7     | 5.5     |
| <b>MAX2235</b>        | +3.6V, 1W Autoramping Power Amplifier for 900MHz Applications               | Power Amp           | 800M                            | 1G                              | -                      | -        | 610m   | PRODUCTION                      | -             | 2.7     | 5.5     |
| <b>MAX2640</b>        | 300MHz to 2500MHz SiGe Ultra-Low-Noise Amplifiers                           | LNA                 | 400M                            | 1.5G                            | 15.1                   | 5.1      | 3.5m   | PRODUCTION                      | 1             | 2.7     | 5.5     |
| <b>MAX2641</b>        | 300MHz to 2500MHz SiGe Ultra-Low-Noise Amplifiers                           | LNA                 | 1.4G                            | 2.5G                            | 14.4                   | 10.4     | 5.3m   | PRODUCTION                      | 1             | 2.7     | 5.5     |
| <b>MAX2601</b>        | 3.6V, 1W RF Power Transistors for 900MHz Applications                       | Power Amp           | 0                               | 1G                              | -                      | -        | -      | PRODUCTION                      | -             | -       | 6       |
| <b>MAX2602</b>        | 3.6V, 1W RF Power Transistors for 900MHz Applications                       | Power Amp           | 0                               | 1G                              | -                      | -        | -      | PRODUCTION                      | -             | -       | 6       |
| <b>MAX2630</b>        | VHF-to-Microwave, +3V, General-Purpose Amplifiers                           | LNA                 | 100M                            | 1G                              | 13.4                   | -1       | 6.6m   | PRODUCTION                      | 1             | 2.7     | 5.5     |
| <b>MAX2633</b>        | VHF-to-Microwave, +3V, General-Purpose Amplifiers                           | LNA                 | 100M                            | 1G                              | 13.4                   | -1       | 6.6m   | PRODUCTION                      | 1             | 2.7     | 5.5     |
| <b>MAX2650</b>        | DC-to-Microwave, +5V Low-Noise Amplifier                                    | LNA                 | 0                               | 1G                              | 19                     | 10       | 18m    | PRODUCTION                      | 1             | 4.5     | 5.5     |
| <b>MAX2611</b>        | DC-to-Microwave, Low-Noise Amplifier                                        | LNA                 | 0                               | 1.1G                            | 18.5                   | 13       | 16m    | PRODUCTION                      | 1             | 5       | 5       |
| <b>HMC-ABH209-Die</b> | Medium Power Amplifier Chip, 55 - 65 GHz                                    | Driver Amp          | 55G                             | 65G                             | 13                     | 25       | 80m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-ABH241-Die</b> | Medium Power Amplifier Chip, 50 - 66 GHz                                    | Driver Amp          | 50G                             | 66G                             | 24                     | 25       | 220m   | NOT RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |

|                       | Description                                   | RF Primary Function            | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle               | # of Channels | Vs+ min | Vs+ max |
|-----------------------|-----------------------------------------------|--------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|---------------------------------|---------------|---------|---------|
| <b>HMC-ABH264-Die</b> | Medium Power Amplifier Chip, 34 - 42 GHz      | Driver Amp                     | 34G                             | 42G                             | 18.5                   | 29       | 120m   | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-ALH102-Die</b> | Wideband Low Noise Amplifier Chip, 2 - 20 GHz | LNA, Wideband Distributed Amps | 2G                              | 20G                             | 10                     | -        | 55m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 2       |
| <b>HMC-ALH140-Die</b> | Low Noise Amplifier Chip, 24 - 40 GHz         | LNA                            | 24G                             | 40G                             | 11.5                   | -        | 60m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 4       |
| <b>HMC-ALH216-Die</b> | Low Noise Amplifier Chip, 14 - 27 GHz         | LNA                            | 14G                             | 27G                             | 18                     | -        | 90m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 4       |
| <b>HMC-ALH244-Die</b> | Low Noise Amplifier Chip, 24 - 40 GHz         | LNA                            | 24G                             | 40G                             | 12                     | -        | 45m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 4       |
| <b>HMC-ALH310-Die</b> | Low Noise Amplifier Chip, 37 - 42 GHz         | LNA                            | 37G                             | 42G                             | 22                     | -        | 52m    | LAST TIME BUY                   | 1             | -       | 2.5     |
| <b>HMC-ALH311-Die</b> | Low Noise Amplifier Chip, 22 - 26.5 GHz       | LNA                            | 22G                             | 26.5G                           | 25                     | -        | 54m    | LAST TIME BUY                   | 1             | -       | 2.5     |
| <b>HMC-ALH313-Die</b> | Low Noise Amplifier Chip, 27 - 33 GHz         | LNA                            | 27G                             | 33G                             | 20                     | -        | 52m    | NOT RECOMMENDED FOR NEW DESIGNS | 1             | -       | 2.5     |
| <b>HMC-ALH364-Die</b> | Low Noise Amplifier Chip, 24 - 32 GHz         | LNA                            | 24G                             | 32G                             | 21                     | -        | 68m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-ALH369-Die</b> | Low Noise Amplifier Chip, 24 - 40 GHz         | LNA                            | 24G                             | 40G                             | 17                     | -        | 66m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-ALH376-Die</b> | Low Noise Amplifier Chip, 35 - 45 GHz         | LNA                            | 35G                             | 45G                             | 12                     | -        | 87m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 4       |
| <b>HMC-ALH382-Die</b> | Low Noise Amplifier Chip, 57 - 65 GHz         | LNA                            | 57G                             | 65G                             | 21                     | -        | 64m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 2.5     |
| <b>HMC-ALH435-Die</b> | Low Noise Amplifier Chip, 5 - 20 GHz          | LNA                            | 5G                              | 20G                             | 13                     | 25       | 30m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-ALH444-Die</b> | Low Noise Amplifier Chip, 1 - 12 GHz          | Gain Block, LNA                | 1G                              | 12G                             | 17                     | 28       | 55m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |

|                       | Description                                             | RF Primary Function                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle               | # of Channels | Vs+ min | Vs+ max |
|-----------------------|---------------------------------------------------------|---------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|---------------------------------|---------------|---------|---------|
| <b>HMC-ALH445-Die</b> | GaAs HEMT MMIC Low Noise Amplifier, 18 - 40 GHz         | LNA                                   | 18G                             | 40G                             | 10                     | -        | 45m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-ALH476-Die</b> | Low Noise Amplifier Chip, 14 - 27 GHz                   | LNA                                   | 14G                             | 27G                             | 20                     | -        | 90m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 4       |
| <b>HMC-ALH482-Die</b> | Low Noise Amplifier Chip, 2 - 22 GHz                    | LNA, Wideband Distributed Amps        | 2G                              | 22G                             | 16                     | -        | 45m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 4       |
| <b>HMC-ALH509-Die</b> | Low Noise Amplifier Chip, 71 - 86 GHz                   | LNA                                   | 71G                             | 86G                             | 14                     | -        | 50m    | LAST TIME BUY                   | 1             | -       | 2       |
| <b>HMC-APH196-Die</b> | Medium Power Amplifier Chip, 17 - 30 GHz                | Driver Amp                            | 17G                             | 30G                             | 20                     | 31       | 400m   | LAST TIME BUY                   | 1             | -       | 5       |
| <b>HMC-APH460-Die</b> | 1/2 Watt Power Amplifier Chip, 27 - 31.5 GHz            | Power Amp                             | 27G                             | 31.5G                           | 14                     | 37       | 900m   | LAST TIME BUY                   | 1             | -       | 5       |
| <b>HMC-APH462-Die</b> | 1 Watt Power Amplifier Chip, 15 - 27 GHz                | Power Amp                             | 15G                             | 27G                             | 17                     | 37       | 1.4    | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 4       | 5       |
| <b>HMC-APH596-Die</b> | Medium Power Amplifier Chip, 16 - 33 GHz                | Driver Amp                            | 16G                             | 33G                             | 17                     | 33       | 400m   | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-AUH232-Die</b> | Modulator Driver Amplifier Chip, DC - 43 GHz            | LNA, Wideband Distributed Amps        | 0                               | 43G                             | 14                     | -        | 180m   | LAST TIME BUY                   | 1             | -       | 5       |
| <b>HMC-AUH249-Die</b> | Modulator Driver Amplifier Chip, DC - 35 GHz            | Driver Amp, Wideband Distributed Amps | 0                               | 35G                             | 15                     | -        | 200m   | NOT RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC-AUH256-Die</b> | Driver Amplifier Chip, 17.5 - 41.0 GHz                  | Driver Amp                            | 17.5G                           | 41G                             | 21                     | 27       | 295m   | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC-AUH312-Die</b> | Wideband Amplifier Chip, 0.5 - 80 GHz                   | LNA, Wideband Distributed Amps        | 0.5G                            | 80G                             | 10                     | 23       | 60m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 8       |
| <b>HMC-AUH320-Die</b> | Medium Power Amplifier Chip, 71 - 86 GHz                | Driver Amp                            | 71G                             | 86G                             | 15                     | -        | 130m   | NOT RECOMMENDED FOR NEW DESIGNS | 1             | -       | 4       |
| <b>HMC1022A-Die</b>   | GaAs, pHEMT, MMIC, 0.25 W Power Amplifier, DC to 48 GHz | Driver Amp, Wideband Distributed Amps | 0                               | 48G                             | 11.5                   | 29       | 150m   | RECOMMENDED FOR NEW DESIGNS     | 1             | 9       | 10      |

|              | Description                                              | RF Primary Function                       | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle | # of Channels | Vs+ min | Vs+ max |
|--------------|----------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-------------------|---------------|---------|---------|
| HMC1040LP3CE | GaAs pHEMT MMIC Low Noise Amplifier SMT, 24 - 43.5 GHz   | LNA, Wideband Distributed Amps            | 24G                             | 43.5G                           | 20                     | 24       | 70m    | PRODUCTION        | 1             | -       | -       |
| HMC1049-Die  | GaAs pHEMT MMIC Low Noise Amplifier, 0.3 GHz to 20 GHz   | LNA, Wideband Distributed Amps            | 0.3G                            | 20G                             | 16                     | 25       | 70m    | PRODUCTION        | 1             | -       | -       |
| HMC1049LP5E  | GaAs pHEMT MMIC Low Noise Amplifier, 0.3 - 20 GHz        | LNA, Wideband Distributed Amps            | 0.3G                            | 20G                             | 15                     | 29       | 70m    | PRODUCTION        | 1             | -       | -       |
| HMC1086-Die  | 25 Watt GaN MMIC Power Amplifier, 2 GHz to 6 GHz         | GaN Power Amp, Low Phase Noise, Power Amp | 2G                              | 6G                              | 23                     | 48       | 1.1    | PRODUCTION        | 1             | -       | -       |
| HMC1086F10   | 25 Watt Flange Mount GaN MMIC Power Amplifier, 2 - 6 GHz | GaN Power Amp, Low Phase Noise, Power Amp | 2G                              | 6G                              | 22                     | 46       | 1100m  | PRODUCTION        | 1             | -       | -       |
| HMC1087-Die  | 8 Watt GaN MMIC Power Amplifier, 2 - 20 GHz              | GaN Power Amp, Power Amp                  | 2G                              | 20G                             | 11                     | 44       | 850m   | PRODUCTION        | 1             | -       | -       |
| HMC1087F10   | 8 Watt GaN Flange Mount MMIC Power Amplifier, 2 - 20 GHz | GaN Power Amp, Power Amp                  | 2G                              | 20G                             | 11                     | 42.5     | 850m   | PRODUCTION        | 1             | -       | -       |
| HMC1126      | GaAs, pHEMT, Low Noise Amplifier, 400 MHz to 52 GHz      | LNA, Wideband Distributed Amps            | 400M                            | 52G                             | 12                     | 28.5     | 85m    | PRODUCTION        | -             | -       | -       |
| HMC1126-Die  | GaAs, pHEMT, MMIC, Power Amplifier, 2 GHz to 50 GHz      | LNA, Wideband Distributed Amps            | 2G                              | 50G                             | 11                     | 28       | 85m    | PRODUCTION        | -             | -       | -       |
| HMC1127      | GaAs pHEMT MMIC High Gain Power Amplifier, 2 - 50 GHz    | LNA, Wideband Distributed Amps            | 2G                              | 50G                             | 14                     | 22       | 65m    | PRODUCTION        | 1             | -       | -       |
| HMC263-Die   | Low Noise Amplifier Chip, 24 - 36 GHz                    | LNA, Low Phase Noise                      | 24G                             | 36G                             | 22                     | 13       | 58m    | PRODUCTION        | 1             | -       | -       |
| HMC263LP4E   | GaAs MMIC Low Noise Amplifier, 24 - 36 GHz               | LNA, Low Phase Noise                      | 24G                             | 36G                             | 20                     | 18       | 58m    | PRODUCTION        | 1             | -       | -       |
| HMC311LP3    | InGaP HBT Gain Block MMIC Amplifier, DC - 6 GHz          | Gain Block, Low Phase Noise               | 0M                              | 6G                              | 14.5                   | 32       | 55m    | PRODUCTION        | 1             | 4.5     | 5.5     |



|                   | Description                                          | RF Primary Function                                | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle               | # of Channels | Vs+ min | Vs+ max |
|-------------------|------------------------------------------------------|----------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|---------------------------------|---------------|---------|---------|
| <b>HMC311SC70</b> | InGaP HBT Gain Block Amplifier SMT, DC - 8 GHz       | Gain Block, Low Phase Noise                        | 0M                              | 8G                              | 15                     | 30       | 55m    | PRODUCTION                      | 1             | 4.5     | 5.5     |
| <b>HMC311ST89</b> | InGaP HBT Gain Block MMIC Amplifier, DC - 6 GHz      | Gain Block, Low Phase Noise                        | 0M                              | 6G                              | 15                     | 27       | 55m    | PRODUCTION                      | 1             | 4.5     | 5.5     |
| <b>HMC313</b>     | InGaP HBT Gain Block Amplifier SMT, DC - 6 GHz       | Gain Block                                         | 0                               | 6G                              | 17                     | 27       | 50m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC326</b>     | GaAs InGaP HBT Driver Amplifier SMT, 3.0 - 4.5 GHz   | Driver Amp, Low Phase Noise, Low Power Transceiver | 3G                              | 4.5G                            | 21                     | 36       | 130m   | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC327</b>     | MMIC Power Amplifier SMT, 3 - 4 GHz                  | Power Amp                                          | 3G                              | 4G                              | 21                     | 40       | 250m   | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 5       |
| <b>HMC341-Die</b> | GaAs MMIC Low Noise Amplifier, 24 - 30 GHz           | LNA                                                | 24G                             | 30G                             | 13                     | 16       | 30m    | PRODUCTION                      | 1             | -       | -       |
| <b>HMC341LC3B</b> | SMT GaAs pHEMT MMIC Low Noise Amplifier, 21 - 29 GHz | LNA                                                | 21G                             | 29G                             | 13                     | 19       | 35m    | PRODUCTION                      | 1             | -       | 3       |
| <b>HMC342-Die</b> | Low Noise Amplifier Chip, 13 - 25 GHz                | LNA                                                | 13G                             | 25G                             | 20                     | 13       | 43m    | PRODUCTION                      | 1             | -       | -       |
| <b>HMC342LC4</b>  | Low Noise Amplifier SMT, 13 - 25 GHz                 | LNA                                                | 13G                             | 25G                             | 22                     | 20       | 43m    | PRODUCTION                      | 1             | -       | 3       |
| <b>HMC356</b>     | Low Noise Amplifier SMT, 350 - 550 MHz               | LNA                                                | 350M                            | 550M                            | 17                     | 38       | 104m   | RECOMMENDED FOR NEW DESIGNS     | 1             | 4.5     | 5.5     |
| <b>HMC3587</b>    | HBT Gain Block MMIC Amplifier, 4 - 10 GHz            | Gain Block, Low Phase Noise                        | 4G                              | 10G                             | 14.5                   | 25       | 44m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 6       |
| <b>HMC3653</b>    | HBT Gain Block MMIC Amplifier, 7 - 15 GHz            | Gain Block, Low Phase Noise                        | 7G                              | 15G                             | 15                     | 28       | 44m    | RECOMMENDED FOR NEW DESIGNS     | 1             | -       | 6       |
| <b>HMC372</b>     | GaAs pHEMT MMIC Low Noise Amplifier, 700 - 1000 MHz  | LNA                                                | 700M                            | 1G                              | 15                     | 34       | 100m   | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 4.5     | 5.5     |

|                    | Description                                                        | RF Primary Function | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|--------------------|--------------------------------------------------------------------|---------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>HMC373</b>      | GaAs PHEMT MMIC Low Noise Amplifier w/ Bypass Mode, 700 - 1000 MHz | LNA                 | 700M                               | 1G                                 | 14                        | 35                  | 90m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |
| <b>HMC374</b>      | Low Noise Amplifier SMT, 0.3 - 3.0 GHz                             | LNA                 | 0.3G                               | 3G                                 | 15                        | 37                  | 90m               | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC374SC70E</b> | GaAs pHEMT Low Noise Amplifier SMT, 0.3 - 3.0 GHz                  | LNA                 | 600M                               | 3G                                 | 15                        | 33.5                | 75m               | PRODUCTION                  | 1             | 3                  | 3.6                |
| <b>HMC375</b>      | GaAs pHEMT MMIC Low Noise Amplifier, 1.7 - 2.2 GHz                 | LNA                 | 1.8G                               | 2.2G                               | 17                        | 33                  | 136m              | LAST TIME BUY               | 1             | 4.5                | 5.5                |
| <b>HMC376</b>      | Low Noise Amplifier SMT, 0.7 - 1.0 GHz                             | LNA                 | 700M                               | 1G                                 | 15                        | 36                  | 73m               | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5                | 5.5                |
| <b>HMC382</b>      | Low Noise Amplifier SMT, 1.7 - 2.2 GHz                             | LNA                 | 1.7G                               | 2.2G                               | 17                        | 29.5                | 67m               | LAST TIME BUY               | 1             | 4.5                | 5.5                |
| <b>HMC383-Die</b>  | Medium Power Amplifier Chip, 12 - 30 GHz                           | Driver Amp          | 12G                                | 30G                                | 16                        | 25                  | 100m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC383LC4</b>   | Medium Power Amplifier SMT, 12 - 30 GHz                            | Driver Amp          | 12G                                | 30G                                | 15                        | 25                  | 100m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC392A-Die</b> | GaAs MMIC LOW NOISE AMPLIFIER, 3.5 - 7.0 GHz                       | LNA                 | 3.5G                               | 7G                                 | 17.2                      | 32.5                | 59m               | PRODUCTION                  | 1             | 4.5                | 5.5                |
| <b>HMC395-Die</b>  | InGaP HBT Gain Block Amplifier Chip, DC - 4 GHz                    | Gain Block          | 0                                  | 4G                                 | 15                        | 28                  | 54m               | RECOMMENDED FOR NEW DESIGNS | 1             | 5                  | 5                  |
| <b>HMC396-Die</b>  | InGaP HBT Gain Block Amplifier Chip, DC - 8 GHz                    | Gain Block          | 0                                  | 8G                                 | 12                        | 30                  | 56m               | RECOMMENDED FOR NEW DESIGNS | 1             | 5                  | 5                  |
| <b>HMC397-Die</b>  | InGaP HBT Gain Block Amplifier Chip, DC - 10 GHz                   | Gain Block          | 0                                  | 10G                                | 15                        | 24                  | 56m               | RECOMMENDED FOR NEW DESIGNS | 1             | 5                  | 5                  |
| <b>HMC405-Die</b>  | InGaP HBT Gain Block Amplifier Chip, DC - 10 GHz                   | Gain Block          | 0                                  | 10G                                | 16                        | 25                  | 50m               | RECOMMENDED FOR NEW DESIGNS | 1             | 5                  | 5                  |
| <b>HMC406</b>      | InGaP HBT Power Amplifier SMT, 5 - 6 GHz                           | Driver Amp          | 5G                                 | 5.9G                               | 18                        | 38                  | 300m              | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 5                  |

|                   | Description                                            | RF Primary Function         | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------|--------------------------------------------------------|-----------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|--------------------|--------------------|
| <b>HMC407</b>     | GaAs InGaP HBT MMIC Power Amplifier, 5 - 7 GHz         | Driver Amp                  | 5G                              | 7G                              | 15                     | 40       | 230m   | RECOMMENDED FOR NEW DESIGNS | 1             | 5                  | -                  |
| <b>HMC408</b>     | 1 Watt Power Amplifier SMT, 5.1 - 5.9 GHz              | Power Amp                   | 5.1G                            | 5.9G                            | 20                     | 43       | 750m   | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 5                  |
| <b>HMC409</b>     | 1 Watt Power Amplifier SMT, 3.3 - 3.8 GHz              | Power Amp                   | 3.3G                            | 3.8G                            | 31                     | 45.5     | 615m   | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 5                  |
| <b>HMC413</b>     | Power Amplifier SMT, 1.6 - 2.2 GHz                     | Power Amp                   | 1.6G                            | 2.2G                            | 22                     | 40       | 270m   | PRODUCTION                  | 1             | -                  | 3.6                |
| <b>HMC414</b>     | InGaP HBT Power Amplifier SMT, 2.2 - 2.8 GHz           | Power Amp                   | 2.2G                            | 2.8G                            | 20                     | 39       | 300m   | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 5                  |
| <b>HMC415</b>     | InGaP HBT Power Amplifier SMT, 4.9 - 5.9 GHz           | Driver Amp                  | 4.9G                            | 5.9G                            | 20                     | 32       | 285m   | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 3                  |
| <b>HMC441-Die</b> | GaAs pHEMT MMIC Medium Power Amplifier, 6 - 18 GHz     | Driver Amp, Low Phase Noise | 7G                              | 15G                             | 15.5                   | 32       | 95m    | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC441LC3B</b> | GaAs pHEMT MMIC Medium Power Amplifier, 6 - 18 GHz     | Driver Amp, Low Phase Noise | 6G                              | 18G                             | 17                     | 32       | 95m    | PRODUCTION                  | 1             | 2.7                | 5                  |
| <b>HMC441LH5</b>  | Medium Power Amplifier SMT, 7.0 - 15.5 GHz             | Driver Amp, Low Phase Noise | 7G                              | 15.5G                           | 15                     | 32       | 90m    | PRODUCTION                  | 1             | -                  | 5                  |
| <b>HMC441LM1</b>  | GaAs PHEMT MMIC Medium Power Amplifier, 7 - 15.5 GHz   | Driver Amp, Low Phase Noise | 7G                              | 15.5G                           | 16                     | 30       | 90m    | PRODUCTION                  | 1             | -                  | 5                  |
| <b>HMC441LP3</b>  | GaAs pHEMT MMIC Medium Power Amplifier, 6.5 - 13.5 GHz | Driver Amp, Low Phase Noise | 6.5G                            | 13.5G                           | 14                     | 29       | 95m    | PRODUCTION                  | 1             | -                  | 5                  |
| <b>HMC442-Die</b> | Medium Power Amplifier Chip, 17.5 - 25.5 GHz           | Driver Amp                  | 17.5G                           | 25.5G                           | 15                     | 28       | 84m    | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC442LC3B</b> | Medium Power Amplifier SMT, 17.5 - 25.5 GHz            | Driver Amp                  | 17.5G                           | 25.5G                           | 13                     | 26       | 84m    | PRODUCTION                  | 1             | -                  | 5                  |
| <b>HMC442LM1</b>  | Medium Power Amplifier SMT, 17.5 - 24.0 GHz            | Driver Amp                  | 17.5G                           | 24G                             | 14                     | 27       | 85m    | PRODUCTION                  | 1             | -                  | 5                  |

|                    | Description                                        | RF Primary Function                             | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|--------------------|----------------------------------------------------|-------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC450</b>      | Power Amplifier SMT, 0.8 - 1.0 GHz                 | Driver Amp                                      | 0.8G                            | 1G                              | 26                     | 40       | 310m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC451-Die</b>  | GaAs pHEMT MMIC Medium Power Amplifier, 5 - 20 GHz | Driver Amp                                      | 5G                              | 20G                             | 20                     | 30       | 127m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC451LC3</b>   | Medium Power Amplifier SMT, 5 - 20 GHz             | Driver Amp                                      | 5G                              | 20G                             | 19                     | 29       | 114m   | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC451LP3</b>   | GaAs pHEMT MMIC Medium Power Amplifier, 5 - 18 GHz | Driver Amp                                      | 5G                              | 18G                             | 18                     | 28       | 120m   | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC452QS16G</b> | 1 Watt Power Amplifier SMT, 0.4 - 2.2 GHz          | Power Amp                                       | 0.4G                            | 2.17G                           | 22.5                   | 48       | 485m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC452ST89</b>  | 1 Watt Power Amplifier SMT, 0.4 - 2.2 GHz          | Power Amp                                       | 0.4G                            | 2.17G                           | 21                     | 47       | 510m   | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC453QS16G</b> | 1.6 Watt Power Amplifier SMT, 0.4 - 2.2 GHz        | Power Amp                                       | 400M                            | 2.17G                           | 21.5                   | 49       | 725m   | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC453ST89</b>  | 1.6 Watt Power Amplifier SMT, 0.4 - 2.2 GHz        | Power Amp                                       | 0.4G                            | 2.17G                           | 20.5                   | 47       | 725m   | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC454</b>      | ½ Watt High IP3 Amplifier SMT, 0.4 - 2.5 GHz       | Power Amp                                       | 824M                            | 2.2G                            | 12.5                   | 41       | 150m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC455</b>      | ½ Watt High IP3 Amplifier SMT, 1.7 - 2.5 GHz       | Power Amp                                       | 1.7G                            | 2.5G                            | 13                     | 42       | 150m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC457</b>      | 1 Watt Power Amplifier SMT, 1.7 - 2.2 GHz          | Power Amp                                       | 1.71G                           | 2.17G                           | 27                     | 45       | 500m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC459-Die</b>  | Wideband Power Amplifier Chip, DC - 18 GHz         | Power Amp, Wideband Distributed Amps            | 0                               | 18G                             | 17                     | 31.5     | 290m   | RECOMMENDED FOR NEW DESIGNS | 1             | 8       | 8       |
| <b>HMC460LC5</b>   | GaAs pHEMT MMIC Low Noise Amplifier, DC - 20 GHz   | LNA, Low Phase Noise, Wideband Distributed Amps | 0                               | 20G                             | 14                     | 29       | 75m    | PRODUCTION                  | 1             | -       | 8       |

|                    | Description                                             | RF Primary Function                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|--------------------|---------------------------------------------------------|---------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC461</b>      | 1 Watt High IP3 Amplifier SMT, 1.7 - 2.2 GHz            | Power Amp                             | 1.7G                            | 2.2G                            | 12                     | 45       | 300m   | LAST TIME BUY               | 1             | -       | 5       |
| <b>HMC462-Die</b>  | Low Noise Amplifier Chip, 2 - 20 GHz                    | LNA, Wideband Distributed Amps        | 2G                              | 20G                             | 15                     | 25       | 63m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC462LP5</b>   | Wideband Low Noise Amplifier SMT, 2 - 20 GHz            | LNA, Wideband Distributed Amps        | 2G                              | 20G                             | 13                     | 25       | 66m    | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC463-Die</b>  | GaAs PHEMT MMIC Low Noise AGC Amplifier, 2-20 GHz       | LNA, Wideband Distributed Amps        | 2G                              | 20G                             | 14                     | 28       | 60m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC463LH250</b> | GaAs pHEMT MMIC Low Noise AGC Amplifier, 2 - 20 GHz     | LNA, Wideband Distributed Amps        | 2G                              | 20G                             | 14                     | 27       | 60m    | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC463LP5</b>   | GaAs pHEMT MMIC Low Noise AGC Amplifier, 2 - 20 GHz     | LNA, Wideband Distributed Amps        | 2G                              | 20G                             | 13                     | 24       | 60m    | PRODUCTION                  | 1             | -       | 5       |
| <b>HMC464-Die</b>  | Wideband Power Amplifier Chip, 2 - 20 GHz               | Power Amp, Wideband Distributed Amps  | 2G                              | 20G                             | 16                     | 30       | 290m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC464LP5</b>   | Wideband Power Amplifier SMT, 2 - 20 GHz                | Power Amp, Wideband Distributed Amps  | 2G                              | 20G                             | 14                     | 26       | 290m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC465-Die</b>  | Wideband Driver Amplifier Chip, DC - 20 GHz             | Driver Amp, Wideband Distributed Amps | 0G                              | 20G                             | 17                     | 30       | 160m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC465LP5</b>   | GaAs PHEMT MMIC Modulator Driver Amplifier, DC - 20 GHz | Driver Amp, Wideband Distributed Amps | 0                               | 20G                             | 15                     | 28       | 160m   | PRODUCTION                  | 1             | -       | 8       |
| <b>HMC480</b>      | InGaP HBT Gain Block Amplifier SMT, DC - 5 GHz          | Gain Block                            | 0M                              | 5G                              | 19                     | 34       | 82m    | RECOMMENDED FOR NEW DESIGNS | 1             | 6       | 8       |
| <b>HMC487</b>      | Surface Mount pHEMT 2 Watt Power Amplifier, 9 - 12 GHz  | Power Amp                             | 9G                              | 12G                             | 20                     | 36       | 1300m  | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 7       |
| <b>HMC490-Die</b>  | Low Noise High IP3 Amplifier Chip, 12 - 17 GHz          | LNA                                   | 12G                             | 17G                             | 27                     | 35       | 200m   | PRODUCTION                  | 1             | -       | -       |

|                   | Description                                           | RF Primary Function   | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------|-------------------------------------------------------|-----------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>HMC490LP5E</b> | Low Noise High IP3 Amplifier SMT, 12 - 16 GHz         | LNA                   | 12G                                | 16G                                | 27                        | 34                  | 200m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC498-Die</b> | Medium Power Amplifier Chip, 17 - 24 GHz              | Driver Amp            | 17G                                | 24G                                | 24                        | 34                  | 250m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC498LC4</b>  | Medium Power Amplifier SMT, 17 - 24 GHz               | Driver Amp            | 17G                                | 24G                                | 22                        | 36                  | 250m              | PRODUCTION                  | 1             | -                  | 5                  |
| <b>HMC499-Die</b> | Medium Power Amplifier Chip, 21 - 32 GHz              | Driver Amp, Power Amp | 21G                                | 32G                                | 16                        | 33                  | 200m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC499LC4</b>  | Medium Power Amplifier SMT, 21 - 32 GHz               | Driver Amp, Power Amp | 21G                                | 32G                                | 17                        | 34                  | 200m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC504</b>     | Low Noise Amplifier SMT, 14 - 27 GHz                  | LNA                   | 14G                                | 27G                                | 19.5                      | 25.5                | 90m               | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 4.5                |
| <b>HMC516-Die</b> | Low Noise Amplifier Chip, 7 - 17 GHz                  | LNA                   | 7G                                 | 17G                                | 21                        | 20                  | 65m               | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC516LC5</b>  | Low Noise Amplifier SMT, 9 - 18 GHz                   | LNA                   | 9G                                 | 18G                                | 20                        | 25                  | 65m               | PRODUCTION                  | 1             | -                  | 3                  |
| <b>HMC517-Die</b> | GaAs pHEMT MMIC Low Noise Amplifier, 17 - 26 GHz      | LNA                   | 17G                                | 26G                                | 20                        | 23                  | 65m               | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC517LC4</b>  | Low Noise Amplifier SMT, 17 - 26 GHz                  | LNA                   | 17G                                | 26G                                | 19                        | 23                  | 67m               | PRODUCTION                  | 1             | -                  | 3                  |
| <b>HMC518-Die</b> | Low Noise Amplifier Chip, 23 - 32 GHz                 | LNA                   | 20G                                | 32G                                | 15                        | 23                  | 65m               | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 3                  |
| <b>HMC519-Die</b> | GaAs pHEMT MMIC Low Noise Amplifier Chip, 18 - 32 GHz | LNA, Low Phase Noise  | 18G                                | 32G                                | 15                        | 26                  | 75m               | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC519LC4</b>  | GaAs pHEMT MMIC Low Noise Amplifier, 18 - 31 GHz      | LNA, Low Phase Noise  | 18G                                | 31G                                | 14.4                      | 23                  | 75m               | PRODUCTION                  | 1             | -                  | 3                  |
| <b>HMC549</b>     | Dual Output Low Noise Amplifier, 0.04 - 0.96 GHz      | LNA                   | 40M                                | 960M                               | 5                         | 27                  | 120m              | LAST TIME BUY               | 1             | 3                  | 5.5                |

|                   | Description                                           | RF Primary Function                  | Freq Response<br>RF min | Freq Response<br>RF max | Gain<br>typ dB | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|-------------------|-------------------------------------------------------|--------------------------------------|-------------------------|-------------------------|----------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC559-Die</b> | Wideband Power Amplifier Chip, DC - 20 GHz            | Power Amp, Wideband Distributed Amps | 0                       | 20G                     | 14             | 36       | 400m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 10      |
| <b>HMC562-Die</b> | Wideband Driver Amplifier Chip, 2 - 35 GHz            | LNA, Wideband Distributed Amps       | 2G                      | 35G                     | 12.5           | 27       | 80m    | RECOMMENDED FOR NEW DESIGNS | 1             | 7.5     | 8.5     |
| <b>HMC564-Die</b> | Low Noise Amplifier Chip, 7.0 - 13.5 GHz              | LNA, Low Phase Noise                 | 7G                      | 13.5G                   | 17             | 24       | 51m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC564LC4</b>  | GaAs SMT pHEMT Low Noise Amplifier, 6 - 14GHz         | LNA, Low Phase Noise                 | 7G                      | 14G                     | 17             | 25       | 51m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC565-Die</b> | GaAs PHEMT MMIC Low Noise Amplifier Chip, 6 - 20 GHz  | LNA                                  | 6G                      | 20G                     | 22             | 20       | 53m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC565LC5</b>  | Low Noise Amplifier SMT, 6 - 20 GHz                   | LNA                                  | 6G                      | 20G                     | 21             | 20       | 53m    | PRODUCTION                  | 1             | -       | 3       |
| <b>HMC566-Die</b> | Low Noise Amplifier Chip, 29 - 36 GHz                 | LNA                                  | 29G                     | 36G                     | 21             | 23.5     | 80m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC566LP4E</b> | Low Noise Amplifier SMT, 28 - 36 GHz                  | LNA                                  | 28G                     | 36G                     | 21             | 24.5     | 83m    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC589A</b>    | InGaP HBT Gain Block MMIC Amplifier, DC - 4 GHz       | Gain Block, Low Phase Noise          | 0                       | 4G                      | 21             | 32       | 82m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | -       |
| <b>HMC590-Die</b> | 1 Watt Power Amplifier Chip, 6 - 10 GHz               | Driver Amp, Power Amp                | 6G                      | 10G                     | 25             | 41       | 820m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC590LP5</b>  | GaAs pHEMT MMIC 1 Watt Power Amplifier, 6.0 - 9.5 GHz | Driver Amp, Power Amp                | 6G                      | 9.5G                    | 21             | 40       | 820m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC591-Die</b> | 2 Watt Power Amplifier Chip, 6 - 10 GHz               | Driver Amp, Power Amp                | 6G                      | 10G                     | 23             | 43       | 1.3    | PRODUCTION                  | 1             | -       | -       |
| <b>HMC591LP5</b>  | 2 Watt Power Amplifier SMT, 6.0 - 9.5 GHz             | Driver Amp, Power Amp                | 6G                      | 9.5G                    | 18             | 41       | 1.3    | PRODUCTION                  | 1             | -       | 7       |
| <b>HMC594-Die</b> | Low Noise Amplifier Chip, 2 - 4 GHz                   | Driver Amp, LNA                      | 2G                      | 4G                      | 10             | 36       | 100m   | PRODUCTION                  | 1             | -       | -       |

|                   | Description                                                                          | RF Primary Function                             | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain dB <sup>typ</sup> | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------|--------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|---------------------------------|------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>HMC594LC3B</b> | GaAs pHEMT MMIC Low Noise Amplifier, 2 - 4 GHz                                       | Driver Amp, LNA                                 | 2G                              | 4G                              | 10                     | 36                  | 100m              | PRODUCTION                  | 1             | -                  | 6                  |
| <b>HMC599</b>     | Low Noise Amplifier, 50 - 1000 MHz                                                   | LNA                                             | 50M                             | 1G                              | 14                     | 39                  | 120m              | LAST TIME BUY               | 1             | 3                  | 5                  |
| <b>HMC606-Die</b> | GaAs InGaP HBT MMIC Ultra Low Phase Noise, Distributed Amplifier, 2 - 18 GHz         | LNA, Low Phase Noise, Wideband Distributed Amps | 2G                              | 18G                             | 12.5                   | 22                  | 64m               | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC606LC5</b>  | GaAs, InGaP, HBT, MMIC, Ultralow Phase Noise, Distributed Amplifier, 2 GHz to 18 GHz | LNA, Low Phase Noise, Wideband Distributed Amps | 2G                              | 18G                             | 12.5                   | 22                  | 64m               | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC608</b>     | GaAs pHEMT Medium Power Amplifier, 9.5 - 11.5 GHz                                    | Driver Amp                                      | 9.5G                            | 11.5G                           | 29                     | 33                  | 310m              | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 7                  |
| <b>HMC609-Die</b> | Low Noise Amplifier Chip, 2 - 4 GHz                                                  | Driver Amp, LNA                                 | 2G                              | 4G                              | 20.5                   | 36                  | 170m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC609LC4</b>  | Low Noise Amplifier SMT, 2 - 4 GHz                                                   | Driver Amp, LNA                                 | 2G                              | 4G                              | 20                     | 36.5                | 170m              | PRODUCTION                  | 1             | -                  | 6                  |
| <b>HMC618A</b>    | GaAs SMT pHEMT Low Noise Amplifier, 1.2 - 2.2 GHz                                    | LNA                                             | 1.2G                            | 2.2G                            | 19                     | 35                  | 117m              | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>HMC633-Die</b> | GaAs PHEMT MMIC Driver Amplifier, 5 - 17 GHz                                         | Driver Amp, Wideband Distributed Amps           | 5G                              | 17G                             | 29                     | 30                  | 180m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC633LC4</b>  | SMT Driver Amplifier, 5.5 - 17 GHz                                                   | Driver Amp, Wideband Distributed Amps           | 5.5G                            | 17G                             | 30                     | 30                  | 180m              | PRODUCTION                  | 1             | -                  | 5                  |
| <b>HMC634-Die</b> | Driver Amplifier Chip, 5 - 20 GHz                                                    | Driver Amp, Wideband Distributed Amps           | 5G                              | 20G                             | 22                     | 31                  | 180m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC634LC4</b>  | SMT Driver Amplifier, 5 - 20 GHz                                                     | Driver Amp, Wideband Distributed Amps           | 5G                              | 20G                             | 21                     | 29                  | 180m              | PRODUCTION                  | 1             | -                  | -                  |
| <b>HMC635-Die</b> | Driver Amplifier Chip, 18 - 40 GHz                                                   | Driver Amp, Wideband Distributed Amps           | 18G                             | 40G                             | 19.5                   | 29                  | 280m              | PRODUCTION                  | 1             | -                  | -                  |



|                    | Description                                                                   | RF Primary Function                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|--------------------|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC635LC4</b>   | GaAs PHEMT MMIC Driver Amplifier, 18 - 40 GHz                                 | Driver Amp, Wideband Distributed Amps | 18G                             | 40G                             | 18.5                   | 27       | 280m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC636</b>      | High IP3 SMT Amplifier, 0.2 - 4.0 GHz                                         | Gain Block                            | 200M                            | 4G                              | 13                     | 39       | 155m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5.5     |
| <b>HMC637A-Die</b> | GaAs MMIC 1 WATT POWER AMPLIFIER DC - 6 GHz                                   | Power Amp, Wideband Distributed Amps  | 0G                              | 6G                              | 15.5                   | 43       | 400m   | PRODUCTION                  | 1             | 8       | 13      |
| <b>HMC637ALP5</b>  | GaAs, pHEMT, MMIC, 1 W Power Amplifier, 0.1 GHz to 6 GHz                      | Power Amp, Wideband Distributed Amps  | 0G                              | 6G                              | 15.5                   | 44       | 400m   | PRODUCTION                  | 1             | 8       | 13      |
| <b>HMC639</b>      | High IP3, Low Noise Amplifier, 0.2 - 4.0 GHz                                  | LNA                                   | 0.2G                            | 4G                              | 13                     | 38       | 110m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC659-Die</b>  | Power Amplifier Chip, DC - 15 GHz                                             | Power Amp, Wideband Distributed Amps  | 0G                              | 15G                             | 19                     | 32       | 300m   | PRODUCTION                  | 1             | -       | 9       |
| <b>HMC659LC5</b>   | Power Amplifier SMT, DC - 15 GHz                                              | Power Amp, Wideband Distributed Amps  | 0                               | 15G                             | 19                     | 32       | 300m   | PRODUCTION                  | 1             | -       | 9       |
| <b>HMC6981</b>     | 2 Watt Power Amplifier SMT, 15 - 20 GHz                                       | Power Amp                             | 15G                             | 20G                             | 26                     | 43.5     | 1100m  | RECOMMENDED FOR NEW DESIGNS | 1             | -       | -       |
| <b>HMC7054</b>     | Ka-Band HPA                                                                   | Block Upconverter, Power Amp          | 29G                             | 31G                             | 42                     | 47.5     | 14.3m  | LAST TIME BUY               | 1             | -5.1    | 5.1     |
| <b>HMC7149-Die</b> | 10 Watt GaN MMIC Power Amplifier, 6 - 18 GHz                                  | GaN Power Amp, Power Amp              | 6G                              | 18G                             | 19                     | 39.5     | 680m   | PRODUCTION                  | 1             | -       | -       |
| <b>HMC7229LS6</b>  | GaAs, pHEMT, MMIC, 1 W, Power Amplifier with Power Detector, 37 GHz to 40 GHz | Power Amp                             | 37G                             | 40G                             | 24                     | 40       | 1200m  | PRODUCTION                  | 1             | 5       | 6       |
| <b>HMC7357</b>     | GaAs pHEMT MMIC 2 Watt Power Amplifier, 5.5 - 8.5 GHz                         | Driver Amp, Power Amp                 | 5.5G                            | 8.5G                            | 29                     | 41.5     | 1200m  | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 8       |

|                    | Description                                                     | RF Primary Function                                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain typ <sup>dB</sup> | OIP3 typ | Is typ | Product Lifecycle           | # of Channels | Vs+ min | Vs+ max |
|--------------------|-----------------------------------------------------------------|-------------------------------------------------------|---------------------------------|---------------------------------|------------------------|----------|--------|-----------------------------|---------------|---------|---------|
| <b>HMC740</b>      | InGaP HBT Active Bias MMIC Amplifier, 0.05 - 3 GHz              | Gain Block                                            | 50M                             | 3G                              | 15                     | 38       | 88m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5.5     |
| <b>HMC741</b>      | InGaP HBT Active Bias MMIC Amplifier, 0.05 - 3 GHz              | Gain Block                                            | 150M                            | 3G                              | 20                     | 40.5     | 96m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5.5     |
| <b>HMC7441</b>     | GaAs pHEMT MMIC 2 Watt Power Amplifier, 27.5 - 31 GHz           | Power Amp                                             | 27.5G                           | 31G                             | 23                     | 38       | 1000m  | RECOMMENDED FOR NEW DESIGNS | 1             | 6       | 6.5     |
| <b>HMC751</b>      | Low Noise Amplifier SMT, 17 - 27 GHz                            | LNA                                                   | 17G                             | 27G                             | 25                     | 25       | 73m    | RECOMMENDED FOR NEW DESIGNS | 1             | 3.5     | 4.5     |
| <b>HMC752</b>      | GaAs HEMT MMIC Low Noise Amplifier, 24 - 28 GHz                 | LNA                                                   | 24G                             | 28G                             | 25                     | 26       | 70m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 4.5     |
| <b>HMC753</b>      | Low Noise Amplifier SMT, 1 - 11 GHz                             | LNA                                                   | 1G                              | 11G                             | 16.5                   | 30       | 55m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 6       |
| <b>HMC754</b>      | GaAs HBT High Linearity Push-Pull Amplifier, 75 Ohm, DC - 1 GHz | Gain Block                                            | 0M                              | 1G                              | 14.5                   | 38       | 160m   | LAST TIME BUY               | 1             | -       | 5.5     |
| <b>HMC772</b>      | Low Noise Amplifier SMT, 2 - 12 GHz                             | LNA                                                   | 2G                              | 12G                             | 15                     | 25       | 45m    | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC788A</b>     | 0.01 GHz to 10 GHz, MMIC, GaAs, pHEMT RF Gain Block             | Gain Block, Low Phase Noise                           | 10M                             | 10G                             | 14                     | 33       | 76m    | RECOMMENDED FOR NEW DESIGNS | 1             | 4.5     | 5.5     |
| <b>HMC789</b>      | InGaP HBT Active Bias MMIC Amplifier, 0.7 - 2.8 GHz             | Driver Amp                                            | 810M                            | 2.7G                            | 11                     | 42       | 125m   | RECOMMENDED FOR NEW DESIGNS | 1             | -       | 5       |
| <b>HMC797A-Die</b> | GaAs pHEMT MMIC 1 Watt Power Amplifier, DC - 22 GHz             | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 22G                             | 15                     | 41       | 400m   | PRODUCTION                  | 1             | 8       | 11      |
| <b>HMC797ALP5E</b> | -                                                               | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 22G                             | 15                     | 41       | 400m   | -                           | 1             | 8       | 11      |

|                    | Description                                                           | RF Primary Function                                   | Freq Response<br>RF <sup>min</sup> | Freq Response<br>RF <sup>max</sup> | Gain <sup>typ</sup><br>dB | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle               | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|--------------------|-----------------------------------------------------------------------|-------------------------------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------|-------------------|---------------------------------|---------------|--------------------|--------------------|
| <b>HMC8113</b>     | 2 GHz to 6 GHz, 500 W Power Amplifier                                 | GaN Power Amp, Power Amp, SSHPA                       | 2G                                 | 6G                                 | 85                        | 57                  | -                 | NOT RECOMMENDED FOR NEW DESIGNS | 1             | 175                | 227                |
| <b>HMC8114</b>     | 5.8 GHz to 18 GHz, 90 W Power Amplifier                               | GaN Power Amp, Power Amp, SSHPA                       | 5.8G                               | 18G                                | 68                        | 52                  | -                 | NOT RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>HMC863ALC4</b>  | GaAs pHEMT MMIC 1/2 Watt Power Amplifier, 24 - 29.5 GHz               | Power Amp                                             | 24G                                | 29.5G                              | 24                        | 38.5                | 350m              | RECOMMENDED FOR NEW DESIGNS     | 1             | 4                  | 6                  |
| <b>HMC902-Die</b>  | 5 GHz to 11 GHz GaAs, pHEMT, MMIC, Low Noise Amplifier                | LNA                                                   | 5G                                 | 11G                                | 20                        | 28                  | 80m               | PRODUCTION                      | 1             | -                  | -                  |
| <b>HMC902LP3E</b>  | 5 GHz to 11 GHz GaAs, pHEMT, MMIC, Low Noise Amplifier                | LNA                                                   | 5G                                 | 11G                                | 19                        | 28                  | 80m               | PRODUCTION                      | 1             | -                  | 3.5                |
| <b>HMC903-Die</b>  | 6 GHz to 18 GHz GaAs, pHEMT, MMIC, Low Noise Amplifier                | LNA                                                   | 6G                                 | 18G                                | 19                        | 27                  | 90m               | PRODUCTION                      | 1             | -                  | -                  |
| <b>HMC903LP3E</b>  | GaAs, pHEMT, MMIC, Low Noise Amplifier, 6 GHz to 17 GHz               | LNA                                                   | 6G                                 | 17G                                | 18                        | 25                  | 80m               | PRODUCTION                      | 1             | -                  | 3.5                |
| <b>HMC907A-Die</b> | GaAs pHEMT MMIC Power Amplifier, 0.2 - 22 GHz                         | Low Phase Noise, Power Amp, Wideband Distributed Amps | 200M                               | 22G                                | 13.5                      | 41                  | 350m              | PRODUCTION                      | 1             | 8                  | 11                 |
| <b>HMC907ALP5E</b> | -                                                                     | Low Phase Noise, Power Amp, Wideband Distributed Amps | 200M                               | 22G                                | 13                        | 40                  | 350m              | -                               | 1             | 8                  | 11                 |
| <b>HMC920</b>      | Active Bias Controller SMT                                            | PA Bias Controller                                    | -                                  | -                                  | -                         | -                   | -                 | RECOMMENDED FOR NEW DESIGNS     | 1             | 5                  | 16.5               |
| <b>HMC943APM5E</b> | >1.5 W (34 dBm), 24 GHz to 34 GHz, GaAs, pHEMT, MMIC, Power Amplifier | Power Amp                                             | 24G                                | 34G                                | 23                        | 37.5                | 1.3               | PRODUCTION                      | 1             | 4                  | 6                  |

|                    | Description                                           | RF Primary Function                                   | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Gain dB <sup>typ</sup> | OIP3 <sup>typ</sup> | Is <sup>typ</sup> | Product Lifecycle           | # of Channels | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|--------------------|-------------------------------------------------------|-------------------------------------------------------|---------------------------------|---------------------------------|------------------------|---------------------|-------------------|-----------------------------|---------------|--------------------|--------------------|
| <b>HMC962</b>      | GaAs pHEMT MMIC Low Noise Amplifier, 7.5 - 26.5 GHz   | LNA, Wideband Distributed Amps                        | 7.5G                            | 26.5G                           | 13                     | 23                  | 70m               | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | 4                  |
| <b>HMC963</b>      | GaAs pHEMT MMIC Low Noise Amplifier, 6 - 26.5 GHz     | LNA, Wideband Distributed Amps                        | 6G                              | 26.5G                           | 22                     | 18                  | 45m               | RECOMMENDED FOR NEW DESIGNS | 1             | -                  | -                  |
| <b>HMC980-Die</b>  | Active Bias Controller High Current                   | PA Bias Controller                                    | -                               | -                               | -                      | -                   | -                 | LAST TIME BUY               | 1             | 5                  | 16.5               |
| <b>HMC980LP4E</b>  | High-Current, Active Bias Controller                  | PA Bias Controller                                    | -                               | -                               | -                      | -                   | -                 | PRODUCTION                  | 1             | 5                  | 16.5               |
| <b>HMC981-Die</b>  | Active Bias Controller                                | PA Bias Controller                                    | -                               | -                               | -                      | -                   | -                 | -                           | 1             | 4                  | 12                 |
| <b>HMC981LP3E</b>  | Active Bias Controller SMT                            | PA Bias Controller                                    | -                               | -                               | -                      | -                   | -                 | PRODUCTION                  | 1             | 4                  | 12                 |
| <b>HMC994A-Die</b> | GaAs pHEMT MMIC 0.5 Watt Power Amplifier, DC - 30 GHz | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 30G                             | 15                     | 36                  | 250m              | PRODUCTION                  | 1             | 8                  | 12                 |
| <b>HMC998A-Die</b> | GaAs pHEMT MMIC 2 Watt Power Amplifier, 0.1 - 22 GHz  | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 22G                             | 14.5                   | 43                  | 500m              | PRODUCTION                  | 1             | 11                 | 15                 |
| <b>HMC998ALP5E</b> | -                                                     | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0.1G                            | 20G                             | 11                     | 41                  | 500m              | -                           | 1             | 11                 | 15                 |
| <b>HMC998APM5E</b> | GaAs pHEMT MMIC 2 Watt Power Amplifier, DC - 22 GHz   | Low Phase Noise, Power Amp, Wideband Distributed Amps | 0                               | 22G                             | 15                     | 42                  | 500m              | PRODUCTION                  | 1             | 11                 | 15                 |

# RF Power Detectors

| Parts           | Description                                                                            | Product Lifecycle           | RF Primary Function            | # of Channels | Freq Response <sup>min</sup><br>RF | Freq Response <sup>max</sup><br>RF | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-----------------|----------------------------------------------------------------------------------------|-----------------------------|--------------------------------|---------------|------------------------------------|------------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>ADL5960</b>  | 10 MHz to 20 GHz Integrated Vector Network Analyzer Front End                          | RECOMMENDED FOR NEW DESIGNS | Vector Power Measurement       | 1             | 10M                                | 20G                                | 95                                 | -                         | 1G                | -              | 225m              | 4.75               | 5.25               |
| <b>ADA4355</b>  | Programmable Transimpedance, Current to Bits Receiver µModule                          | RECOMMENDED FOR NEW DESIGNS | Signal Chain uModule Receivers | 1             | -                                  | -                                  | -                                  | -                         | -                 | -              | -                 | 3.1                | 3.6                |
| <b>LTC5597</b>  | 100MHz to 70GHz Linear-in-dB RMS Power Detector with 35dB Dynamic Range                | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector        | 1             | 100M                               | 70G                                | 35                                 | 1                         | 42G               | -              | 33.5m             | 2.7                | 3.6                |
| <b>ADL6012</b>  | 2 GHz to 67 GHz, 500 MHz Bandwidth Envelope Detector                                   | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors        | 1             | 2G                                 | 67G                                | 40                                 | 1                         | 18G               | -              | 28.6m             | 3.15               | 5.25               |
| <b>RH5596S</b>  | 100MHz to 40GHz Linear-in-dB RMS Power Detector with 35dB Dynamic Range                | RECOMMENDED FOR NEW DESIGNS | RF RMS Detector                | 1             | 100M                               | 40G                                | 35                                 | 1.25                      | -                 | -              | 30m               | 2.7                | 3.5                |
| <b>ADL6010S</b> | Aerospace ADL6010S Fast Responding, 45 dB Range, 0.5 GHz TO 43.5 GHz Envelope Detector | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors        | 1             | 500M                               | 43.5G                              | 45                                 | 0.3                       | -                 | -              | 3m                | 4.78               | 5.25               |
| <b>LTC5596</b>  | 100MHz to 40GHz Linear-in-dB RMS Power Detector with 35dB Dynamic Range                | RECOMMENDED FOR NEW DESIGNS | RF RMS Detector                | 1             | 100M                               | 40G                                | 35                                 | 1.25                      | 40G               | -25            | 30m               | 2.7                | 3.5                |

|                 | Description                                                                   | Product Lifecycle           | RF Primary Function                              | # of Channels | Freq Response <sub>min</sub><br>RF | Freq Response <sub>max</sub><br>RF | Input Dynamic Range <sub>typ</sub> | Temp Drift <sub>typ</sub> | Specified at Freq | Pin Test Level | Is <sub>typ</sub> | Vs+ <sub>min</sub> | Vs+ <sub>max</sub> |
|-----------------|-------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------|---------------|------------------------------------|------------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>ADL5506</b>  | 30 MHz to 4.5 GHz, 45 dB RF Detector                                          | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector                      | 1             | 30M                                | 4.5G                               | 45                                 | 1                         | 900M              | -10            | 3.75m             | 2.5                | 5.5                |
| <b>ADL5903</b>  | 200 MHz to 6 GHz 35 dB TruPwr™ Detector                                       | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector                          | 1             | 200M                               | 6G                                 | 35                                 | 0.2                       | 900M              | -10            | 2.5m              | 3                  | 5.25               |
| <b>ADL6010</b>  | Fast Responding, 45 dB Range, 0.5 GHz to 43.5 GHz Envelope Detector           | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors                          | 1             | 500M                               | 43.5G                              | 45                                 | 0.3                       | 10G               | -10            | 3m                | 4.78               | 5.25               |
| <b>ADL5501S</b> | Aerospace 50 MHz TO 6 GHz TruPwr™ Detector                                    | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector                          | 1             | 50M                                | 6G                                 | 30                                 | 0.1                       | 900M              | 5              | 1.1m              | 2.7                | 5.5                |
| <b>ADL5906</b>  | 10 MHz TO 10 GHz 67 dB TruPwr™ Detector                                       | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector                          | 1             | 10M                                | 10G                                | 67                                 | 1                         | 900M              | -10            | 70m               | 4.75               | 5.25               |
| <b>ADL5513S</b> | Aerospace 1 MHz to 4 GHz, 80 dB Logarithmic Detector/Controller               | RECOMMENDED FOR NEW DESIGNS | RF Log Detector                                  | 1             | 1M                                 | 4G                                 | 80                                 | 0.5                       | 900M              | -10            | 31m               | 2.7                | 5.5                |
| <b>AD8306S</b>  | Aerospace 5 - 400 MHz, 100 dB High Precision Limiting - Logarithmic Amplifier | RECOMMENDED FOR NEW DESIGNS | RF Log Detector                                  | 1             | 5M                                 | 400M                               | 100                                | -                         | 10M               | 0              | -                 | 2.7                | 6.5                |
| <b>ADL5511</b>  | DC to 6 GHz ENVELOPE AND TruPwr™ RMS Detector                                 | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors, RMS Responding Detector | 1             | 0                                  | 6G                                 | 47                                 | 0.1                       | 900M              | 10             | 21.5m             | 4.75               | 5.25               |
| <b>LTC5564</b>  | UltraFast™ 7ns Response Time 15GHz RF Power Detector with Comparator          | PRODUCTION                  | RF Schottky Peak Detector                        | 1             | 600M                               | 15G                                | 40                                 | 2                         | 5.8G              | 5              | 44m               | 3.1                | 5.5                |

|                | Description                                               | Product Lifecycle           | RF Primary Function                              | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|----------------|-----------------------------------------------------------|-----------------------------|--------------------------------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>LTC5583</b> | Matched Dual-Channel 6GHz RMS Power Detector              | PRODUCTION                  | RF RMS Detector                                  | 2             | 40M                             | 6G                              | 60                                 | 0.5                       | 2.14G             | -45            | 80.5m             | 3.1                | 3.5                |
| <b>LTC5587</b> | 6 GHz RMS Power Detector with Digital Output              | PRODUCTION                  | RF RMS Detector                                  | 1             | 10M                             | 6G                              | 40                                 | 1                         | 2.14G             | -              | 3m                | 2.7                | 3.6                |
| <b>LTC5582</b> | 40MHz to 10GHz RMS Power Detector with 57dB Dynamic Range | PRODUCTION                  | RF RMS Detector                                  | 1             | 40M                             | 10G                             | 57                                 | 0.5                       | 2.14G             | -45            | 41.6m             | 3.1                | 3.5                |
| <b>ADL5505</b> | 450 MHz TO 6000 MHz TruPwr™ Detector                      | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector                          | 1             | 450M                            | 6G                              | 36                                 | 0.1                       | 900M              | 10             | 1.8m              | 2.5                | 3.3                |
| <b>ADL5504</b> | 450 MHz TO 6000 MHz TruPwr™ Detector                      | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector                          | 1             | 450M                            | 6G                              | 35                                 | 0.1                       | 900M              | 10             | 1.8m              | 2.5                | 3.3                |
| <b>ADL5902</b> | 50 MHz TO 9 GHz 65 dB TruPwr™ Detector                    | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector                          | 1             | 50M                             | 9G                              | 65                                 | 0.5                       | 900M              | -10            | 73m               | 4.5                | 5.5                |
| <b>LT5581</b>  | 6GHz RMS Power Detector with 40dB Dynamic Range           | PRODUCTION                  | RF RMS Detector                                  | 1             | 10M                             | 6G                              | 40                                 | 1                         | 2.14G             | -              | 1.4m              | 2.7                | 6                  |
| <b>ADL5502</b> | 450 MHz TO 6000 MHz Crest Factor Detector                 | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors, RMS Responding Detector | 1             | 450M                            | 6G                              | 35                                 | 0.1                       | 900M              | 10             | 3m                | 2.5                | 3.3                |
| <b>ADL5513</b> | 1 MHz TO 4 GHz, 80 dB Logarithmic Detector / Controller   | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector                      | 1             | 1M                              | 4G                              | 80                                 | 0.5                       | 900M              | -10            | 31m               | 2.7                | 5.5                |

|         | Description                                                  | Product Lifecycle           | RF Primary Function         | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|---------|--------------------------------------------------------------|-----------------------------|-----------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| LT5538  | 40MHz to 3.8GHz RF Power Detector with 75dB Dynamic Range    | PRODUCTION                  | RF Log Detector             | 1             | 40M                             | 3.8G                            | 75                                 | 0.5                       | 2.14G             | -35            | 29m               | 3                  | 5.25               |
| AD8363  | 50 Hz TO 6 GHz 50 dB TruPwr™ Detector                        | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector     | 1             | 50                              | 6G                              | 60                                 | 0.5                       | 900M              | -10            | 60m               | 4.5                | 5.5                |
| ADL5501 | 50 MHz TO 6 GHz TruPwr™ Detector                             | PRODUCTION                  | RMS Responding Detector     | 1             | 50M                             | 6G                              | 30                                 | 0.1                       | 900M              | 5              | 1.1m              | 2.7                | 5.5                |
| AD8317  | 1 MHz to 10 GHz, 55 dB Log Detector/Controller               | PRODUCTION                  | non-RMS Responding Detector | 1             | 1M                              | 10G                             | 55                                 | 0.5                       | 0.9M              | -10            | 22m               | 3                  | 5.5                |
| MAX9930 | 2MHz to 1.6GHz 45dB RF-Detecting Controllers and RF Detector | PRODUCTION                  | RF Log Detector             | 1             | 2M                              | 1.6G                            | 45                                 | -                         | -                 | -              | 7m                | 2.7                | 5.25               |
| MAX9931 | 2MHz to 1.6GHz 45dB RF-Detecting Controllers and RF Detector | PRODUCTION                  | RF Log Detector             | 1             | 2M                              | 1.6G                            | 45                                 | -                         | -                 | -              | 7m                | 2.7                | 5.25               |
| MAX9932 | 2MHz to 1.6GHz 45dB RF-Detecting Controllers and RF Detector | PRODUCTION                  | RF Log Detector             | 1             | 2M                              | 1.6G                            | 45                                 | -                         | -                 | -              | 7m                | 2.7                | 5.25               |
| MAX9933 | 2MHz to 1.6GHz 45dB RF-Detecting Controllers and RF Detector | PRODUCTION                  | RF Log Detector             | 1             | 2M                              | 1.6G                            | 45                                 | -                         | -                 | -              | 7m                | 2.7                | 5.25               |
| ADL5519 | 1 MHz TO 10 GHz, 62 dB Dual Log Detector / Controller        | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector | 2             | 1M                              | 10G                             | 62                                 | 0.5                       | 0.9M              | -10            | 60m               | 3.3                | 5.5                |



|                | Description                                                             | Product Lifecycle                 | RF Primary Function               | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|----------------|-------------------------------------------------------------------------|-----------------------------------|-----------------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>AD8362</b>  | 50 Hz to 3.8 GHz<br>65d dB TruPwr™<br>Detector                          | PRODUCTION                        | RMS<br>Responding<br>Detector     | 1             | 50                              | 3.8G                            | 65                                 | 1                         | 900M              | 0              | 20m               | 4.5                | 5.5                |
| <b>MAX2204</b> | RF Power Detector                                                       | PRODUCTION                        | Envelope/Peak<br>Detectors        | 1             | 450M                            | 2.5G                            | 21                                 | -                         | -                 | -              | 1.2m              | 2.7                | 3.3                |
| <b>AD8318</b>  | 1 MHz TO 8 GHz,<br>70 dB Logarithmic<br>Detector/Controller             | RECOMMENDED<br>FOR NEW<br>DESIGNS | non-RMS<br>Responding<br>Detector | 1             | 1M                              | 8G                              | 70                                 | 0.5                       | 0.9M              | -10            | 68m               | 4.5                | 5.5                |
| <b>AD8319</b>  | 1 MHz TO 10 GHz,<br>40 dB Log Detector<br>/ Controller                  | RECOMMENDED<br>FOR NEW<br>DESIGNS | non-RMS<br>Responding<br>Detector | 1             | 1M                              | 10G                             | 45                                 | 0.5                       | 0.9M              | -10            | 22m               | 3                  | 5.5                |
| <b>AD8307</b>  | Low Cost, DC to<br>500 MHz, 92<br>dB Logarithmic<br>Amplifier           | PRODUCTION                        | non-RMS<br>Responding<br>Detector | 1             | 0                               | 500M                            | 92                                 | 1                         | 100M              | 0              | 8m                | 2.7                | 5.5                |
| <b>AD8313</b>  | 0.1 GHz TO 2.5<br>GHz, 70 dB<br>Logarithmic<br>Detector /<br>Controller | PRODUCTION                        | non-RMS<br>Responding<br>Detector | 1             | 100M                            | 2.5G                            | 70                                 | 1.25                      | 900M              | -10            | 13.7m             | 2.7                | 5.5                |
| <b>AD8314</b>  | RF Detector /<br>Controller, 100<br>MHz TO 2.7 GHz,<br>45 dB            | PRODUCTION                        | non-RMS<br>Responding<br>Detector | 1             | 100M                            | 2.7G                            | 45                                 | 1                         | 900M              | -10            | 4.5m              | 2.7                | 5.5                |
| <b>AD8315</b>  | 50 dB GSM PA<br>Controller                                              | PRODUCTION                        | non-RMS<br>Responding<br>Detector | 1             | 100M                            | 2.5G                            | 50                                 | 1                         | -                 | -              | 8.5               | 2.7                | 5.5                |
| <b>ADL5500</b> | 100 MHz TO 6<br>GHz TruPwr™<br>Detector                                 | PRODUCTION                        | RMS<br>Responding<br>Detector     | 1             | 100M                            | 6G                              | 30                                 | 0.25                      | 900M              | 2.5            | 1m                | 2.7                | 5.5                |
| <b>MAX2014</b> | 50MHz to<br>1000MHz, 75dB<br>Logarithmic<br>Detector/Controller         | PRODUCTION                        | RF Log<br>Detector                | 1             | 50M                             | 1G                              | 75                                 | -                         | -                 | -              | 17.3m             | 2.7                | 5.25               |

|                | Description                                                                             | Product Lifecycle           | RF Primary Function         | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|----------------|-----------------------------------------------------------------------------------------|-----------------------------|-----------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>AD8361</b>  | LF to 2.5 GHz TruPwr™ Detector                                                          | PRODUCTION                  | RMS Responding Detector     | 1             | 0                               | 2500M                           | 30                                 | 0.25                      | 900M              | 5              | 1.1m              | 2.7                | 5.5                |
| <b>AD640</b>   | DC-Coupled Demodulating 120 MHz Logarithmic Amplifier                                   | PRODUCTION                  | non-RMS Responding Detector | 1             | 0                               | 120M                            | 50                                 | 1                         | -                 | -              | 35m               | 4.5                | 7.5                |
| <b>AD641</b>   | 250 MHz Demodulating Logarithmic Amplifier                                              | PRODUCTION                  | non-RMS Responding Detector | 1             | 0                               | 250M                            | 44                                 | 1                         | -                 | -              | 35m               | 4.5                | 7.5                |
| <b>AD8310</b>  | Fast, Voltage-Out, DC to 440 MHz, 95 dB Logarithmic Amplifier                           | PRODUCTION                  | non-RMS Responding Detector | 1             | 0                               | 440M                            | 95                                 | 1                         | 100M              | 0              | 8m                | 2.7                | 5.5                |
| <b>LTC5530</b> | Precision 300MHz to 7GHz RF Detector with Shutdown and Gain Adjustment                  | PRODUCTION                  | RF Schottky Peak Detector   | 1             | 300M                            | 7G                              | 42                                 | 1.2                       | 5G                | -              | 500μ              | 2.7                | 6                  |
| <b>LTC5531</b> | Precision 300MHz to 7GHz RF Detector with Shutdown and Offset Adjustment                | PRODUCTION                  | RF Schottky Peak Detector   | 1             | 300M                            | 7G                              | 42                                 | 1.2                       | 5G                | -              | 500μ              | 2.7                | 6                  |
| <b>LTC5535</b> | Precision 600MHz to 7GHz, RF Detector with Adjustable Gain and 12MHz Baseband Bandwidth | PRODUCTION                  | RF Schottky Peak Detector   | 1             | 600M                            | 7G                              | 42                                 | 1                         | 5G                | -              | 2m                | 2.7                | 5.5                |
| <b>AD8311</b>  | 50 dB GSM PA Controller                                                                 | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector | 1             | 100M                            | 2.5G                            | 50                                 | 0.5                       | -                 | -              | 7.6m              | 2.7                | 5.5                |

|                | Description                                                                              | Product Lifecycle           | RF Primary Function         | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|----------------|------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>LT5537</b>  | Wide Dynamic Range RF/IF Log Detector                                                    | PRODUCTION                  | RF Log Detector             | 1             | 0                               | 1G                              | 83                                 | 0.63                      | 200M              | -20            | 13.5m             | 2.7                | 5.25               |
| <b>AD8312</b>  | 50 MHz TO 3.5 GHz, 45 dB RF Detector                                                     | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector | 1             | 50M                             | 3.5G                            | 45                                 | 0.5                       | 900M              | -10            | 4.2m              | 2.7                | 5.5                |
| <b>AD8306</b>  | 5 MHz TO 400 MHz, 100 dB High Precision Limiting - Logarithmic Amplifier                 | PRODUCTION                  | non-RMS Responding Detector | 1             | 5M                              | 400M                            | 100                                | 1                         | 10M               | 0              | 16m               | 2.7                | 6.5                |
| <b>AD8309</b>  | 5 MHz TO 500 MHz, 100 dB Demodulating Logarithmic Amplifier with Limiter Output          | PRODUCTION                  | non-RMS Responding Detector | 1             | 5M                              | 500M                            | 100                                | 1                         | 100M              | 0              | 16m               | 2.7                | 6.5                |
| <b>AD8364</b>  | LF to 2.7 GHz, DUAL 60 dB TruPwr™ Detector                                               | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector     | 2             | 0                               | 2.7G                            | 60                                 | 0.5                       | 900M              | -10            | 70m               | 4.5                | 5.5                |
| <b>LTC5533</b> | 300MHz to 11GHz Precision Dual RF Power Detector                                         | PRODUCTION                  | RF Schottky Peak Detector   | 2             | 300M                            | 11G                             | 40                                 | 1                         | 5G                | -              | 900μ              | 2.7                | 6                  |
| <b>LTC5536</b> | 600MHz to 7GHz Precision RF Detector with Fast Comparator Output                         | PRODUCTION                  | RF Schottky Peak Detector   | 1             | 600M                            | 7G                              | 38                                 | 1                         | 7G                | 4              | 2.1m              | 2.7                | 5.5                |
| <b>MAX2016</b> | LF-to-2.5GHz Dual Logarithmic Detector/Controller for Power, Gain, and VSWR Measurements | PRODUCTION                  | RF Log Detector             | 2             | -                               | 2.5G                            | 80                                 | -                         | -                 | -              | 43m               | 2.7                | 5.25               |

|                   | Description                                                           | Product Lifecycle           | RF Primary Function                                   | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------|-----------------------------------------------------------------------|-----------------------------|-------------------------------------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>AD8302</b>     | LF–2.7 GHz RF/IF Gain and Phase Detector                              | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector, Vector Power Measurement | 1             | 0                               | 2.7G                            | 60                                 | 1                         | 900M              | -30            | 19m               | 2.7                | 5.5                |
| <b>LT5534</b>     | 50MHz to 3GHz RF Power Detector with 60dB Dynamic Range               | PRODUCTION                  | RF Log Detector                                       | 1             | 50M                             | 3G                              | 60                                 | 0.75                      | 1.9G              | -30            | 7m                | 2.7                | 5.25               |
| <b>MAX2015</b>    | 0.1GHz to 3GHz, 75dB Logarithmic Detector/Controller                  | PRODUCTION                  | RF Log Detector                                       | 1             | 100M                            | 3G                              | 75                                 | -                         | -                 | -              | 17.3m             | 2.7                | 5.25               |
| <b>LTC5532EDC</b> | Precision 300MHz to 7GHz RF Detector with Gain and Offset Adjustment  | PRODUCTION                  | RF Schottky Peak Detector                             | 1             | 300M                            | 12G                             | 42                                 | 1.2                       | 5G                | -              | 500μ              | 2.7                | 6                  |
| <b>LTC5532ES6</b> | Precision 300MHz to 7GHz RF Detector with Gain and Offset Adjustment  | PRODUCTION                  | RF Schottky Peak Detector                             | 1             | 300M                            | 7G                              | 42                                 | 1.2                       | 5G                | -              | 500μ              | 2.7                | 6                  |
| <b>LTC5509</b>    | 300MHz to 3GHz RF Power Detector in SC70 Package                      | PRODUCTION                  | RF Schottky Peak Detector                             | 1             | 300M                            | 3G                              | 36                                 | 0.5                       | 1.85G             | -              | 580μ              | 2.7                | 6                  |
| <b>LTC5508</b>    | 300MHz to 7GHz RF Power Detector with Buffered Output in SC70 Package | PRODUCTION                  | RF Schottky Peak Detector                             | 1             | 300M                            | 7G                              | 44                                 | 2                         | 5G                | -12            | 550μ              | 2.7                | 6                  |
| <b>MAX4003</b>    | 100MHz to 2500MHz, 45dB RF Detector in a UCSP                         | PRODUCTION                  | RF Log Detector                                       | 1             | 100M                            | 2.5G                            | 45                                 | -                         | -                 | -              | 5.9m              | 2.7                | 5.5                |

|                  | Description                                                          | Product Lifecycle           | RF Primary Function                               | # of Channels | Freq Response <sub>min</sub><br>RF | Freq Response <sub>max</sub><br>RF | Input Dynamic Range <sub>typ</sub> | Temp Drift <sub>typ</sub> | Specified at Freq | Pin Test Level | Is <sub>typ</sub> | Vs+ <sub>min</sub> | Vs+ <sub>max</sub> |
|------------------|----------------------------------------------------------------------|-----------------------------|---------------------------------------------------|---------------|------------------------------------|------------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>LTC5507</b>   | 100kHz to 1GHz RF Power Detector                                     | PRODUCTION                  | RF Schottky Peak Detector                         | 1             | 100k                               | 1G                                 | 48                                 | 1                         | 1G                | -10            | 550μ              | 2.7                | 6                  |
| <b>MAX4000</b>   | 2.5GHz 45dB RF-Detecting Controllers                                 | PRODUCTION                  | RF Log Detector                                   | 1             | 100M                               | 2.5G                               | 45                                 | -                         | -                 | -              | 5.9m              | 2.7                | 5.5                |
| <b>MAX4001</b>   | 2.5GHz 45dB RF-Detecting Controllers                                 | PRODUCTION                  | RF Log Detector                                   | 1             | 100M                               | 2.5G                               | 45                                 | -                         | -                 | -              | 5.9m              | 2.7                | 5.5                |
| <b>MAX4002</b>   | 2.5GHz 45dB RF-Detecting Controllers                                 | PRODUCTION                  | RF Log Detector                                   | 1             | 100M                               | 2.5G                               | 45                                 | -                         | -                 | -              | 5.9m              | 2.7                | 5.5                |
| <b>LTC5505-1</b> | RF Power Detector with Buffered Output and >40dB Dynamic Range       | PRODUCTION                  | RF Schottky Peak Detector                         | 1             | 300M                               | 3G                                 | 46                                 | 1                         | 1.85G             | -              | 500μ              | 2.7                | 6                  |
| <b>LTC5505-2</b> | RF Power Detector with Buffered Output and >40dB Dynamic Range       | PRODUCTION                  | RF Schottky Peak Detector                         | 1             | 300M                               | 3.5G                               | 44                                 | 1                         | 1.85G             | -              | 500μ              | 2.7                | 6                  |
| <b>ADL5904</b>   | DC to 6 GHz, 45 dB TruPwr Detector with Envelope Threshold Detection | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors, RMS Responding Detector  | 1             | 0                                  | 6G                                 | 45                                 | 0.5                       | 900M              | 10             | 3.5m              | 3.15               | 3.45               |
| <b>ADL5910</b>   | DC to 6 GHz, ≤45 dB Envelope Threshold Detector/Trigger              | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors                           | 1             | 0                                  | 6G                                 | 45                                 | 0.5                       | 900M              | 10             | 3.5m              | 3.15               | 3.45               |
| <b>ADL5920</b>   | 9 kHz to 7 GHz, Bidirectional RMS and VSWR Detector                  | RECOMMENDED FOR NEW DESIGNS | RMS Responding Detector, Vector Power Measurement | 2             | 9k                                 | 7G                                 | 50                                 | 0.5                       | 1G                | -10            | 160m              | 4.9                | 5.1                |

|                | Description                                                 | Product Lifecycle           | RF Primary Function                              | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|----------------|-------------------------------------------------------------|-----------------------------|--------------------------------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>HMC1010</b> | RMS Power Detector SMT, DC - 3.9 GHz                        | LAST TIME BUY               | RMS Responding Detector                          | 1             | 0                               | 3.9G                            | 62                                 | 0.5                       | 900M              | 0              | 48m               | 4.5                | 5.5                |
| <b>HMC1013</b> | 67 dB SMT SDLVA, 0.5 - 18.5 GHz                             | RECOMMENDED FOR NEW DESIGNS | SDLVA Detector                                   | 1             | 500M                            | 18.5G                           | 67                                 | 0.5                       | 10G               | 0              | 183m              | -                  | 3.3                |
| <b>HMC1020</b> | RMS Power Detector SMT, Single-Ended, DC - 3.9 GHz          | LAST TIME BUY               | RMS Responding Detector                          | 1             | 0                               | 3.9G                            | 72                                 | 0.75                      | 900M              | -10            | 55m               | 4.5                | 5.5                |
| <b>HMC1021</b> | RMS Power Detector SMT, with Envelope Tracker, DC - 3.9 GHz | LAST TIME BUY               | Envelope/Peak Detectors, RMS Responding Detector | 1             | 0                               | 3.9G                            | 70                                 | 0.5                       | 900M              | -10            | 75m               | 4.5                | 5.5                |
| <b>HMC1030</b> | Dual RMS Power Detector SMT, Single-Ended, DC - 3.9 GHz     | LAST TIME BUY               | Envelope/Peak Detectors, RMS Responding Detector | 2             | 0                               | 3.9G                            | 69                                 | 0.5                       | 900M              | -10            | 143m              | 5                  | 5                  |
| <b>HMC1094</b> | 50 dB, Logarithmic Detector, 1 - 23 GHz                     | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector                      | 1             | 1G                              | 23G                             | 50                                 | 0.5                       | 10M               | -10            | 85m               | 3.15               | 3.45               |
| <b>HMC1120</b> | RMS Power Detector & Envelope Tracker, DC - 3.9 GHz         | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors, RMS Responding Detector | 1             | 0                               | 3.9G                            | 72                                 | 0.5                       | 1900M             | -              | 70m               | 3.15               | 3.45               |
| <b>HMC600</b>  | 75 dB Logarithmic Detector/Controller SMT, 0.05 - 4.0 GHz   | LAST TIME BUY               | non-RMS Responding Detector                      | 1             | 50M                             | 4G                              | 75                                 | 0.5                       | 900M              | -15            | 29m               | 2.7                | 5.5                |

|                   | Description                                                       | Product Lifecycle           | RF Primary Function         | # of Channels | Freq Response<br>min<br>RF | Freq Response<br>max<br>RF | Input Dynamic Range<br>typ | Temp Drift<br>typ | Specified at Freq | Pin Test Level | Is typ | Vs+ min | Vs+ max |
|-------------------|-------------------------------------------------------------------|-----------------------------|-----------------------------|---------------|----------------------------|----------------------------|----------------------------|-------------------|-------------------|----------------|--------|---------|---------|
| <b>HMC601</b>     | 75dB Logarithmic Detector/Controller SMT, 10 - 4000 MHz           | LAST TIME BUY               | non-RMS Responding Detector | 1             | 10M                        | 4G                         | 75                         | 0.5               | 900M              | -15            | 30m    | 4.5     | 5.5     |
| <b>HMC602</b>     | 70 dB, Logarithmic Detector/Controller SMT, 1 - 8000 MHz          | LAST TIME BUY               | non-RMS Responding Detector | 1             | 1M                         | 8G                         | 70                         | 1                 | 0.9M              | -10            | 113m   | 4.5     | 5.5     |
| <b>HMC611LP4</b>  | Logarithmic Detector Controller SMT, 0.001 - 10.0 GHz             | LAST TIME BUY               | non-RMS Responding Detector | 1             | 1M                         | 10G                        | 60                         | -                 | 7G                | -10            | 106m   | 4.5     | 5.5     |
| <b>HMC613</b>     | Successive Detection Log Video Amp., SMT 0.1 - 20 GHz             | RECOMMENDED FOR NEW DESIGNS | SDLVA Detector              | 1             | 100M                       | 20G                        | 59                         | 0.5               | 10G               | -10            | 83m    | 3.15    | 3.45    |
| <b>HMC662</b>     | 54 dB Logarithmic Detector, 8 - 30 GHz                            | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector | 1             | 8G                         | 30G                        | 54                         | 0.5               | 10M               | -10            | 88m    | 3.15    | 3.45    |
| <b>HMC713LP3E</b> | 54 dB, Logarithmic Detector/Controller SMT, 50 - 8000 MHz         | LAST TIME BUY               | non-RMS Responding Detector | 1             | 50M                        | 8G                         | 54                         | 0.5               | 2.7G              | -              | 17m    | 2.7     | 5.5     |
| <b>HMC713MS8</b>  | 54 dB, Logarithmic Detector/Controller SMT, 45 - 2700 MHz         | LAST TIME BUY               | non-RMS Responding Detector | 1             | 45M                        | 2.7G                       | 54                         | -0.5              | 2.7G              | -              | 17m    | 2.7     | 5.5     |
| <b>HMC7447</b>    | E-Band Detector, 71 - 86 GHz                                      | RECOMMENDED FOR NEW DESIGNS | Envelope/Peak Detectors     | 1             | 71G                        | 86G                        | 24                         | 0.5               | 81G               | 18             | -      | 3       | 5       |
| <b>HMC813-Die</b> | Successive Detection Log Video Amplifier (SDLVA) Chip, 1 - 26 GHz | PRODUCTION                  | SDLVA Detector              | 1             | 1G                         | 26G                        | 55                         | 0.5               | -                 | -              | 150m   | -       | -       |

|                   | Description                                                         | Product Lifecycle           | RF Primary Function         | # of Channels | Freq Response RF <sup>min</sup> | Freq Response RF <sup>max</sup> | Input Dynamic Range <sup>typ</sup> | Temp Drift <sup>typ</sup> | Specified at Freq | Pin Test Level | Is <sup>typ</sup> | Vs+ <sup>min</sup> | Vs+ <sup>max</sup> |
|-------------------|---------------------------------------------------------------------|-----------------------------|-----------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------|----------------|-------------------|--------------------|--------------------|
| <b>HMC813LC4B</b> | Successive Detection Log Video Amplifier (SDLVA) SMT, 1 - 20 GHz    | PRODUCTION                  | SDLVA Detector              | 1             | 1G                              | 20G                             | 55                                 | 0.5                       | 10G               | -10            | 150m              | -                  | -                  |
| <b>HMC909</b>     | RMS Power Detector Single-Ended SMT, DC - 5.8 GHz                   | LAST TIME BUY               | RMS Responding Detector     | 1             | 0                               | 5.8G                            | 40                                 | 0.5                       | 900M              | -15            | 42m               | 4.5                | 5.5                |
| <b>HMC913-Die</b> | Successive Detection Log Video Amplifier (SDLVA) Chip, 0.6 - 20 GHz | PRODUCTION                  | SDLVA Detector              | 1             | 0.6G                            | 20G                             | 59                                 | 1.5                       | 18G               | -30            | 80m               | -                  | -                  |
| <b>HMC913LC4B</b> | Successive Detection Log Video Amp., SMT 0.6 - 20 GHz               | PRODUCTION                  | SDLVA Detector              | 1             | 0.6G                            | 20G                             | 59                                 | -                         | 10G               | -10            | 80m               | -                  | -                  |
| <b>HMC948</b>     | 54 dB Logarithmic Detector SMT, 1 - 23 GHz                          | RECOMMENDED FOR NEW DESIGNS | non-RMS Responding Detector | 1             | 1G                              | 23G                             | 54                                 | 0.5                       | 10M               | -10            | 91m               | 3.15               | 3.45               |



# Specialty Amplifiers

| Parts            | Description                                                                                                               | Product Lifecycle           | Amplifier Primary Function                                                                               | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------|-----------|------------|-------------|-------------|
| <b>ADL5309</b>   | Dual, 188 dB Range, 10 pA to 25 mA, Logarithmic Converter                                                                 | RECOMMENDED FOR NEW DESIGNS | Logarithmic Amplifier                                                                                    | 2         | 28.5m      | 3           | 5.25        |
| <b>AD8460</b>    | 110 V High Voltage, 1 A High Current, Arbitrary Waveform Generator with Integrated 14-Bit High Speed DAC                  | RECOMMENDED FOR NEW DESIGNS | Automatic Test Equipment, Display panel formation and testing, Piezo Driver, Programmable power supplies | 1         | 22.5m      | 24          | 110         |
| <b>ADA4351-2</b> | Compact, Dual-Channel, Precision, Programmable Gain Transimpedance Amplifier (PGTIA)                                      | RECOMMENDED FOR NEW DESIGNS | -                                                                                                        | 2         | 3.3m       | 2.7         | 5.5         |
| <b>MAX49918</b>  | Bidirectional, On-The-Fly Programmable Gain, Current-Sense Amplifier with Wide Measurement Range                          | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                                                                                  | 1         | 700μ       | -           | 5.5         |
| <b>ADL5308</b>   | Fast Response 188 dB Range (10 pA to 25 mA) Logarithmic Converter                                                         | RECOMMENDED FOR NEW DESIGNS | Logarithmic Amplifier                                                                                    | 1         | 32m        | 5.25        | 4.75        |
| <b>AD8411A</b>   | -2 V to 70 V Wide Input Voltage Range, 2.7 MHz High Bandwidth, Current-Sense Amplifier with PWM Rejection and Gain 50 V/V | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                                                                                  | 1         | 7.8m       | 2.9         | 5.5         |
| <b>AD8410A</b>   | -2 V to 70 V Wide Input Voltage Range, 2.2 MHz High Bandwidth, Current-Sense Amplifier with PWM Rejection and Gain 20 V/V | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                                                                                  | 1         | 7.8m       | 2.9         | 5.5         |
| <b>MAX49925</b>  | Bidirectional, Wide Positive and Negative Sensing Range, Current-Sense Amplifier with Fast PWM Rejection                  | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                                                                                  | 1         | 5m         | 2.7         | 5.5         |
| <b>AD8417-2</b>  | 1 mm × 1.9 mm WLCSP, High Common-Mode, Bidirectional, Zero Drift, Current Sense Amplifier                                 | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                                                                                  | 2         | 5.7m       | 2.7         | 5.5         |
| <b>MAX32001</b>  | Dual Channel 2.0Gbps Pin-electronics with PMU Multiplexer Switches                                                        | RECOMMENDED FOR NEW DESIGNS | Pin Driver                                                                                               | -         | -          | -           | -           |
| <b>ADATE324</b>  | 1.6 GHz Quad Integrated DCL with VHH Drive Capability, Level Setting DACs, and On-Chip Calibration Registers              | RECOMMENDED FOR NEW DESIGNS | Pin Driver                                                                                               | 4         | -          | -           | -           |
| <b>LTC6563</b>   | Four-Channel Transimpedance Amplifier with Output Multiplexing                                                            | RECOMMENDED FOR NEW DESIGNS | Transimpedance Amplifier                                                                                 | 4         | 15m        | 3.15        | 3.45        |

|                  | Description                                                                                                    | Product Lifecycle           | Amplifier Primary Function                        | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|-----------|------------|-------------|-------------|
| <b>MAX32007</b>  | Octal 3.0Gbps DCL with Integrated Level Setting DACs, Cable Droop Compensation, and PMU switches               | RECOMMENDED FOR NEW DESIGNS | Pin Driver                                        | 8         | -          | -           | -           |
| <b>MAX40080</b>  | Precision, Fast Sample-Rate, Digital Current-Sense Amplifier                                                   | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 1         | 2.7m       | 1.71        | 1.98        |
| <b>ADATE334</b>  | 2.3 GHz Dual Integrated DCL with PPMU, Level Setting DACs, and On-Chip Calibration Registers                   | RECOMMENDED FOR NEW DESIGNS | Pin Driver                                        | 2         | -          | -           | -           |
| <b>MAX49921</b>  | 0 to 70V, High-Precision Current-Sense Amplifier                                                               | PRODUCTION                  | Current Sense Amplifier                           | 1         | 700μ       | 2.7         | 5.5         |
| <b>MAX40213</b>  | Transimpedance Amplifiers with Selectable Gain and Input Current Clamp                                         | PRODUCTION                  | Transimpedance Amplifier                          | 1         | 30m        | -           | -           |
| <b>ADA4355</b>   | Programmable Transimpedance, Current to Bits Receiver μModule                                                  | RECOMMENDED FOR NEW DESIGNS | Transimpedance Amplifier                          | 1         | -          | 3.1         | 3.6         |
| <b>MAX40204</b>  | 36V, Pin-Programmable Gain, Bidirectional CSA                                                                  | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 1         | 21μ        | 1.7         | 5.5         |
| <b>MAX40662</b>  | Quad Transimpedance Amplifier with Input Current Clamp and Multiplexer for LiDAR                               | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 4         | 56m        | 2.9         | 3.5         |
| <b>MAX40660</b>  | High-Bandwidth Automotive Transimpedance Amplifier with Fast Output Recovery and Input Current Clamp for LiDAR | PRODUCTION                  | Current Sense Amplifier                           | 1         | 41.5m      | 2.97        | 3.6         |
| <b>MAX40661</b>  | High-Bandwidth Automotive Transimpedance Amplifier with Fast Output Recovery and Input Current Clamp for LiDAR | PRODUCTION                  | Current Sense Amplifier                           | 1         | 41.5m      | 2.97        | 3.6         |
| <b>MAX40056F</b> | Bidirectional Current Sense Amplifier with PWM-Rejection                                                       | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 1         | 6m         | 2.7         | 5.5         |
| <b>MAX40056T</b> | Bidirectional Current Sense Amplifier with PWM-Rejection                                                       | PRODUCTION                  | Current Sense Amplifier                           | 1         | 6m         | 2.7         | 5.5         |
| <b>MAX40056U</b> | Bidirectional Current Sense Amplifier with PWM-Rejection                                                       | PRODUCTION                  | Current Sense Amplifier                           | 1         | 6m         | 2.7         | 5.5         |
| <b>LTC6561</b>   | Four-Channel Multiplexed Transimpedance Amplifier with Output Multiplexing                                     | RECOMMENDED FOR NEW DESIGNS | Transimpedance Amplifier                          | 4         | 45.6m      | 4.75        | 5.25        |
| <b>LT1997-1</b>  | Precision, High Voltage, Gain Selectable Difference/Current Sense Amplifier                                    | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier, Programmable Gain Amplifier | 1         | 350μ       | 3.3         | 50          |

|                  | Description                                                                                   | Product Lifecycle           | Amplifier Primary Function                        | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|------------------|-----------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|-----------|------------|-------------|-------------|
| <b>LTC6115</b>   | High Voltage High Side Current and Voltage Sense                                              | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 2         | 260μ       | 5           | 100         |
| <b>LTC6560</b>   | Single Channel Transimpedance Amplifier with Output Multiplexing                              | RECOMMENDED FOR NEW DESIGNS | Transimpedance Amplifier                          | 1         | 17.7m      | 4.75        | 5.25        |
| <b>LT1997-2</b>  | Precision, Wide Voltage Range, Gain Selectable Funnel Amplifier                               | RECOMMENDED FOR NEW DESIGNS | Programmable Gain Amplifier                       | 1         | 350μ       | 3.3         | 50          |
| <b>LT1990-10</b> | ±250V Input Range, 100kHz, G =10, Micropower, Difference Amplifier                            | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier, Programmable Gain Amplifier | 1         | 160μ       | 2.4         | 36          |
| <b>MAX40016</b>  | 4-Decade Current Sense Amplifier with Integrated Current Sense Element                        | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 1         | 800μ       | 2.5         | 5.5         |
| <b>MAX12900</b>  | Ultra-Low-Power 4-20mA Sensor Transmitter                                                     | RECOMMENDED FOR NEW DESIGNS | 4-20mA Driver                                     | 1         | 200μ       | 4           | 36          |
| <b>LT6376</b>    | ±230V Common Mode Voltage G = 10 Difference Amplifier                                         | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier                              | 1         | 350μ       | 3.3         | 50          |
| <b>MAX40658</b>  | Transimpedance Amplifier with 100mA Input Current Clamp for LiDAR Applications                | PRODUCTION                  | Current Sense Amplifier                           | 1         | 21m        | 2.97        | 3.63        |
| <b>MAX40659</b>  | Transimpedance Amplifier with 100mA Input Current Clamp for LiDAR Applications                | PRODUCTION                  | Current Sense Amplifier                           | 1         | 21m        | 2.97        | 3.63        |
| <b>MAX40201</b>  | Dual-Channel, 0V to 76V Current-Sense Amplifier                                               | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                           | 2         | 1.3m       | 2.7         | 5.5         |
| <b>MAX40010</b>  | 76V Precision, High-Voltage, Current-Sense Amplifier                                          | PRODUCTION                  | Current Sense Amplifier                           | 1         | 350μ       | 2.7         | 5.5         |
| <b>LT1997-3</b>  | Precision, Wide Voltage Range Gain Selectable Amplifier                                       | RECOMMENDED FOR NEW DESIGNS | Programmable Gain Amplifier                       | 1         | 350μ       | 3.3         | 50          |
| <b>AD8209A</b>   | High Voltage, Precision Difference Amplifier                                                  | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier                              | 1         | 1.6m       | 4.5         | 5.5         |
| <b>MAX44298</b>  | Current and Voltage Sense with Power Measurement                                              | PRODUCTION                  | Current Sense Amplifier                           | 1         | 1m         | 3           | 5.5         |
| <b>ADATE320</b>  | 1.25 GHz Dual Integrated DCL with PPMU, Level Setting DACs, and On-Chip Calibration Registers | RECOMMENDED FOR NEW DESIGNS | Pin Driver                                        | 2         | -          | -5          | 8           |

|          | Description                                                                         | Product Lifecycle           | Amplifier Primary Function              | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|----------|-------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------|-----------|------------|-------------|-------------|
| LT6375   | ±270V Common Mode Voltage Difference Amplifier                                      | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier                    | 1         | 350μ       | 3.3         | 50          |
| ADA4350  | FET Input Analog Front End with ADC Driver                                          | RECOMMENDED FOR NEW DESIGNS | Current to Voltage (I to V) conversions | 1         | 8.5m       | 3.3         | 12          |
| MAX34407 | SMBus 4-Channel Wide Dynamic Range Power Accumulator                                | PRODUCTION                  | Current Sense Amplifier                 | 4         | 300μ       | 2.7         | 3.6         |
| MAX44286 | Low-Power, Precision, 4-Bump WLP, Current-Sense Amplifier                           | PRODUCTION                  | Current Sense Amplifier                 | 1         | 12.5μ      | 1.6         | 5.5         |
| ADLD8403 | Ultralow Power, Adaptive Linear Power, Dual-Port ADSL/ADSL2+ Line Driver            | PRODUCTION                  | xDSL Line Driver                        | 2         | 22m        | 11.75       | 12.5        |
| LTC2946  | Wide Range I2C Power, Charge and Energy Monitor                                     | RECOMMENDED FOR NEW DESIGNS | Power Monitor                           | 1         | 700μ       | 2.7         | 100         |
| RH6105   | Radiation Hardened Micropower Precision, Rail-to-Rail Input Current Sense Amplifier | PRODUCTION                  | Current Sense Amplifier                 | 1         | 195μ       | 2.85        | 36          |
| LT6118   | Current Sense Amplifier, Reference and Comparator with POR                          | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                 | 1         | 450μ       | 2.7         | 60          |
| LT6119   | Current Sense Amplifier, Reference and Comparators with POR                         | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                 | 1         | 475μ       | 2.7         | 60          |
| AD8210S  | Aerospace High Voltage, Bidirectional Current Shunt Monitor                         | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                 | 1         | -          | 4.5         | 5.5         |
| MAX44285 | Dual-Channel, High-Precision, High-Voltage, Current-Sense Amplifier                 | PRODUCTION                  | Current Sense Amplifier                 | 2         | -          | 2.7         | 5.5         |
| MAX44284 | 36V, Input Common-Mode, High-Precision, Low-Power Current-Sense Amplifier           | PRODUCTION                  | Current Sense Amplifier                 | 1         | 21μ        | 1.7         | 5.5         |
| AD8417   | Bidirectional, Zero Drift, Current Sense Amplifier                                  | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                 | 1         | 2.4m       | 2.7         | 5.5         |
| AD8418A  | Bidirectional, Zero-Drift, Current Sense Amplifier                                  | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                 | 1         | 2.7m       | 2.7         | 5.5         |
| MAX34408 | SMBus Dual/Quad Current Monitor                                                     | PRODUCTION                  | Current Sense Amplifier                 | 1         | 830μ       | 2.7         | 3.6         |

|                  | Description                                                            | Product Lifecycle           | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|------------------|------------------------------------------------------------------------|-----------------------------|----------------------------|-----------|------------|-------------|-------------|
| <b>MAX34409</b>  | SMBus Dual/Quad Current Monitor                                        | PRODUCTION                  | Current Sense Amplifier    | 1         | 830μ       | 2.7         | 3.6         |
| <b>AD8418</b>    | Bidirectional, Zero-Drift, Current Sense Amplifier                     | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 1.65m      | 2.7         | 5.5         |
| <b>ADL5303</b>   | 160 dB Range, 100 pA to 10 mA Logarithmic Converter                    | RECOMMENDED FOR NEW DESIGNS | Logarithmic Amplifier      | 1         | 4.5m       | 3           | 5.5         |
| <b>ADA4312-1</b> | Wideband, Differential, High Output Current Line Driver with Shutdown  | PRODUCTION                  | Line Driver                | 2         | 46m        | 12          | 12          |
| <b>LTC2945</b>   | Wide Range I2C Power Monitor                                           | RECOMMENDED FOR NEW DESIGNS | Power Monitor              | 1         | 800μ       | 2.7         | 80          |
| <b>AD8479</b>    | Very High Common-Mode Voltage Precision Difference Amplifier           | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier       | 1         | 550μ       | 5           | 36          |
| <b>AD8488</b>    | 128-Channel Digital X-Ray Analog Front End                             | PRODUCTION                  | Analog Front End           | 128       | 285m       | 4.75        | 5.25        |
| <b>MAX19005</b>  | Quad, Ultra-Low-Power, 200Mbps ATE Drivers/Comparators                 | PRODUCTION                  | Pin Driver                 | 4         | -          | -           | -           |
| <b>ADA4830-2</b> | High Speed Difference Amplifier with Input Short-to-Battery Protection | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier       | 2         | 6.8m       | 2.9         | 5.5         |
| <b>ADA4830-1</b> | High Speed Difference Amplifier with Input Short to Battery Protection | RECOMMENDED FOR NEW DESIGNS | Difference Amplifier       | 1         | 6.8m       | 2.9         | 5.5         |
| <b>LT6108</b>    | High Side Current Sense Amplifier with Reference and Comparator        | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 450μ       | 2.7         | 60          |
| <b>LTC2991</b>   | Octal I2C Voltage, Current, and Temperature Monitor                    | RECOMMENDED FOR NEW DESIGNS | Current Monitor            | 4         | 1.1m       | 3           | 5.5         |
| <b>LT6109</b>    | High Side Current Sense Amplifier with Reference and Comparators       | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 475μ       | 2.7         | 60          |
| <b>MAX34406</b>  | Quad Current-Sense Amplifier with Overcurrent Threshold Comparators    | PRODUCTION                  | Current Sense Amplifier    | 4         | 100μ       | 2.7         | 5.5         |

|                  | Description                                                                                                     | Product Lifecycle               | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|-----------|------------|-------------|-------------|
| <b>ADATE318</b>  | 600 MHz Dual Integrated DCL with PPMU, VHH Drive Capability, Level Setting DACs, and On-Chip Calibration Engine | RECOMMENDED FOR NEW DESIGNS     | Pin Driver                 | 2         | -          | -6          | 16.75       |
| <b>AD8219</b>    | Zero Drift, Unidirectional Current Shunt Monitor                                                                | PRODUCTION                      | Current Sense Amplifier    | 1         | 450μ       | 4           | 80          |
| <b>AD8218</b>    | Zero Drift, Bi-Directional Current Shunt Monitor                                                                | PRODUCTION                      | Current Sense Amplifier    | 1         | 115μ       | 4           | 80          |
| <b>AD8212S</b>   | Aerospace High Voltage Current Shunt Monitor                                                                    | PRODUCTION                      | Current Sense Amplifier    | 1         | -          | 7           | 65          |
| <b>PHY1095</b>   | High-Sensitivity Transimpedance Amplifier                                                                       | NOT RECOMMENDED FOR NEW DESIGNS | Transimpedance Amplifier   | 1         | 42m        | 3           | 3.6         |
| <b>PHY1097</b>   | High-Sensitivity Transimpedance Amplifier                                                                       | NOT RECOMMENDED FOR NEW DESIGNS | Transimpedance Amplifier   | 1         | 48m        | 3           | 3.6         |
| <b>LT1999-10</b> | High Voltage, Bidirectional Current Sense Amplifier                                                             | RECOMMENDED FOR NEW DESIGNS     | Current Sense Amplifier    | 1         | 1.55m      | 4.5         | 5.5         |
| <b>LT1999-20</b> | High Voltage, Bidirectional Current Sense Amplifier                                                             | RECOMMENDED FOR NEW DESIGNS     | Current Sense Amplifier    | 1         | 1.55m      | 4.5         | 5.5         |
| <b>LT1999-50</b> | High Voltage, Bidirectional Current Sense Amplifier                                                             | RECOMMENDED FOR NEW DESIGNS     | Current Sense Amplifier    | 1         | 1.55m      | 4.5         | 5.5         |
| <b>ADL5304</b>   | High Speed, 200 dB Range, Current to Voltage Logarithmic Converter                                              | RECOMMENDED FOR NEW DESIGNS     | Logarithmic Amplifier      | 1         | 20.8m      | 4.5         | 5.5         |
| <b>MAX9611</b>   | High-Side, Current-Sense Amplifiers with 12-Bit ADC and Op Amp/Comparator                                       | PRODUCTION                      | Current Sense Amplifier    | 1         | 1.6m       | 2.7         | 5.5         |
| <b>MAX9612</b>   | High-Side, Current-Sense Amplifiers with 12-Bit ADC and Op Amp/Comparator                                       | PRODUCTION                      | Current Sense Amplifier    | 1         | 1.6m       | 2.7         | 5.5         |
| <b>LTC2990</b>   | Quad I2C Voltage, Current and Temperature Monitor                                                               | RECOMMENDED FOR NEW DESIGNS     | Current Monitor            | 2         | 1.1m       | 3           | 5.5         |
| <b>AD5749</b>    | Industrial Current Out Driver, Single-Supply, 55 V Maximum Supply, Programmable Ranges                          | PRODUCTION                      | 4-20mA Driver              | 1         | -          | 12          | 55          |
| <b>AD8217</b>    | High Resolution, Zero-Drift Current Shunt Monitor                                                               | PRODUCTION                      | Current Sense Amplifier    | 1         | 700μ       | 4.5         | 80          |

|                  | Description                                                                                               | Product Lifecycle | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|------------------|-----------------------------------------------------------------------------------------------------------|-------------------|----------------------------|-----------|------------|-------------|-------------|
| <b>AD8207</b>    | Zero Drift, High Voltage, Bidirectional Difference Amplifier                                              | PRODUCTION        | Difference Amplifier       | 1         | 1.5m       | 3.3         | 5.5         |
| <b>AD5748</b>    | Industrial Current/Voltage Output Driver with Programmable Ranges                                         | PRODUCTION        | 4-20mA Driver              | 1         | -          | 12          | 48          |
| <b>ADA4320-1</b> | 5 V DOCSIS 3.0 Low-distortion Upstream CATV Line Driver                                                   | PRODUCTION        | CATV Line Driver           | 1         | 65m        | 4.75        | 5.25        |
| <b>AD8208</b>    | High Voltage, Precision Difference Amplifier                                                              | PRODUCTION        | Difference Amplifier       | 1         | 1.6m       | 4.5         | 5.5         |
| <b>MAX9918</b>   | -20V to +75V Input Range, Precision Uni-/Bidirectional, Current-Sense Amplifiers                          | PRODUCTION        | Current Sense Amplifier    | 1         | 1m         | 4.5         | 5.5         |
| <b>MAX9919</b>   | -20V to +75V Input Range, Precision Uni-/Bidirectional, Current-Sense Amplifiers                          | PRODUCTION        | Current Sense Amplifier    | 1         | 1m         | 4.5         | 5.5         |
| <b>MAX9920</b>   | -20V to +75V Input Range, Precision Uni-/Bidirectional, Current-Sense Amplifiers                          | PRODUCTION        | Current Sense Amplifier    | 1         | 1m         | 4.5         | 5.5         |
| <b>MAX9634</b>   | nanoPower, 4-Bump UCSP/SOT23, Precision Current-Sense Amplifier                                           | PRODUCTION        | Current Sense Amplifier    | 1         | 500n       | 1.6         | 28          |
| <b>MAX9934</b>   | High-Precision, Low-Voltage, Current-Sense Amplifier with Current Output and Chip Select for Multiplexing | PRODUCTION        | Current Sense Amplifier    | 1         | 120μ       | 2.5         | 3.6         |
| <b>HMC799</b>    | DC - 700 MHz, 10 kOhm Transimpedance Amplifier SMT                                                        | LAST TIME BUY     | Transimpedance Amplifier   | 1         | 70m        | 4.5         | 5.5         |
| <b>MAX16913</b>  | Remote Antenna Current-Sense Amplifier and Switches                                                       | PRODUCTION        | Current Sense Amplifier    | 1         | 600μ       | 5           | 18          |
| <b>MAX16913A</b> | Remote Antenna Current-Sense Amplifier and Switches                                                       | PRODUCTION        | Current Sense Amplifier    | 1         | 600μ       | 5           | 18          |
| <b>AD8209</b>    | High Voltage, Precision Difference Amplifier                                                              | PRODUCTION        | Difference Amplifier       | 1         | 1.6m       | 4.5         | 5.5         |
| <b>AD5750-1</b>  | Industrial Current/Voltage Output Driver with Programmable Ranges                                         | PRODUCTION        | 4-20mA Driver              | 1         | -          | 12          | 24          |
| <b>AD8279</b>    | Low Power, Wide Supply Range, Low Cost Difference Amplifiers, G = ½, 2                                    | PRODUCTION        | Difference Amplifier       | 2         | -          | 2           | 36          |

|          | Description                                                                         | Product Lifecycle               | Amplifier Primary Function              | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|----------|-------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|-----------|------------|-------------|-------------|
| AD8277   | Low Power, Wide Supply Range, Low Cost Unity-Gain Difference Amplifiers             | PRODUCTION                      | Difference Amplifier                    | 2         | -          | 2           | 36          |
| AD8278   | Low Power, Wide Supply Range, Low Cost Difference Amplifiers, G = ½, 2              | PRODUCTION                      | Difference Amplifier                    | 1         | -          | 2           | 36          |
| MAX15500 | Industrial Analog Current/Voltage Output Conditioners                               | PRODUCTION                      | Programmable Voltage and Current Driver | 1         | 9.6m       | 30          | 64          |
| MAX15501 | Industrial Analog Current/Voltage Output Conditioners                               | PRODUCTION                      | Programmable Voltage and Current Driver | 1         | 9.6m       | 30          | 64          |
| DS1843   | Fast Sample-and-Hold Circuit                                                        | NOT RECOMMENDED FOR NEW DESIGNS | Sample and Hold                         | 1         | 5.7m       | 2.97        | 5.5         |
| MAX9979  | Dual 1.1Gbps Pin Electronics with Integrated PMU and Level-Setting DACs             | PRODUCTION                      | Pin Driver                              | 1         | -          | -           | -           |
| MAX9922  | Ultra-Precision, High-Side Current-Sense Amplifiers                                 | PRODUCTION                      | Current Sense Amplifier                 | 1         | 700μ       | 2.85        | 5.5         |
| MAX9923  | Ultra-Precision, High-Side Current-Sense Amplifiers                                 | PRODUCTION                      | Current Sense Amplifier                 | 1         | 700μ       | 2.85        | 5.5         |
| AD8276   | Low Power, Wide Supply Range, Low Cost Unity-Gain Difference Amplifier              | PRODUCTION                      | Difference Amplifier                    | 1         | -          | 2           | 36          |
| MAX9610  | 1μA, μDFN/SC70, Lithium-Ion Battery, Precision Current-Sense Amplifier              | PRODUCTION                      | Current Sense Amplifier                 | 1         | 600n       | 1.6         | 5.5         |
| AD8275   | G = 0.2, Level Translation, 16-Bit ADC Driver                                       | PRODUCTION                      | Difference Amplifier                    | 1         | 1.9m       | 3.3         | 15          |
| AD8398A  | Single Port VDSL2 Line Driver with Shutdown                                         | PRODUCTION                      | Line Driver                             | 1         | 13.3m      | 12          | 12          |
| AD5560   | 1.2A Programmable Device Power Supply with Integrated 16-bit Level Setting DACs     | PRODUCTION                      | DPS & PMU                               | 1         | -          | -           | -           |
| MAX9928  | -0.1V to +28V Input Range, Micropower, Uni-/Bidirectional, Current-Sense Amplifiers | PRODUCTION                      | Current Sense Amplifier                 | 1         | 20μ        | 2.5         | 5.5         |
| MAX9929  | -0.1V to +28V Input Range, Micropower, Uni-/Bidirectional, Current-Sense Amplifiers | PRODUCTION                      | Current Sense Amplifier                 | 1         | 20μ        | 2.5         | 5.5         |



|             | Description                                                                                      | Product Lifecycle           | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|-------------|--------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|-----------|------------|-------------|-------------|
| MAX9937     | Automotive Current-Sense Amplifier with Reverse-Battery Protection                               | PRODUCTION                  | Current Sense Amplifier    | 1         | 20μ        | 2.7         | 5.5         |
| ADATE302-02 | 500 MHz Dual Integrated DCL with Differential Drive/Receive, Level Setting DACs, and Per Pin PMU | PRODUCTION                  | Pin Driver                 | 2         | -          | -           | -           |
| AD8274      | Very Low Distortion, Precision Difference Amplifier                                              | PRODUCTION                  | Difference Amplifier       | 1         | -          | 5           | 36          |
| AD5750      | Industrial Current/Voltage Output Driver with Programmable Ranges                                | PRODUCTION                  | 4-20mA Driver              | 1         | -          | 12          | 24          |
| AD5751      | Industrial I/V Output Driver, Single-Supply, 55 V Maximum Supply, Programmable Ranges            | PRODUCTION                  | 4-20mA Driver              | 1         | -          | 10.8        | 55          |
| MAX9938     | nanoPower, 4-Bump UCSP/SOT23, Precision Current-Sense Amplifier                                  | PRODUCTION                  | Current Sense Amplifier    | 1         | 1μ         | 1.6         | 28          |
| LT6107      | High Temperature High Side Current Sense Amp in SOT-23                                           | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 60μ        | 2.7         | 36          |
| SMP11S      | Aerospace Low Droop Rate/Accurate Sample/Hold Amp                                                | PRODUCTION                  | Sample and Hold            | 1         | -          | 20          | 30          |
| AD585S      | Aerospace High Speed, Precision Sample-and-Hold Amplifier                                        | PRODUCTION                  | Sample and Hold            | 1         | -          | 15.8        | 36          |
| ADATE304    | 200 MHz Dual Integrated DCL with Level Setting DACs, Per Pin PMU, and Per Chip VHH               | PRODUCTION                  | Pin Driver                 | 2         | -          | -5          | 16.75       |
| ADATE305    | 250 MHz Dual Integrated DCL with Level Setting DACs, per pin PMU, and per Chip VHH               | PRODUCTION                  | Pin Driver                 | 2         | -          | -           | -           |
| AD8398      | VDSL, Dual Line Driver with Shutdown                                                             | PRODUCTION                  | Line Driver                | 1         | 15m        | 12          | 12          |
| AD8210      | High Voltage, Bidirectional Current Shunt Monitor                                                | PRODUCTION                  | Current Sense Amplifier    | 1         | 1.2m       | 4.5         | 5.5         |
| AD8211      | High Voltage, Current Shunt Monitor                                                              | PRODUCTION                  | Current Sense Amplifier    | 1         | 1.2m       | 4.5         | 5.5         |
| AD8212      | High Voltage Current Shunt Monitor                                                               | PRODUCTION                  | Current Sense Amplifier    | 1         | -          | 7           | 65          |

|                  | Description                                                      | Product Lifecycle           | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|------------------|------------------------------------------------------------------|-----------------------------|----------------------------|-----------|------------|-------------|-------------|
| <b>AD8213</b>    | Dual, High Voltage Current Shunt Monitor                         | PRODUCTION                  | Current Sense Amplifier    | 2         | 2.5m       | 4.5         | 5.5         |
| <b>AD8216</b>    | High Bandwidth, Bidirectional 65 V Difference Amplifier          | PRODUCTION                  | Difference Amplifier       | 1         | 1m         | 4.5         | 5.5         |
| <b>AD8270</b>    | Precision Dual-Channel, Difference Amplifier                     | PRODUCTION                  | Difference Amplifier       | 2         | -          | 5           | 36          |
| <b>AD8273</b>    | Very Low Distortion, Dual-Channel, Audio Difference Amplifier    | PRODUCTION                  | Difference Amplifier       | 2         | -          | 5           | 36          |
| <b>AD8390A</b>   | Low Power, High Output Current Differential Amplifier            | PRODUCTION                  | Line Driver                | 1         | 5.5m       | 10          | 24          |
| <b>AD8215</b>    | High Voltage, Current Shunt Monitor                              | PRODUCTION                  | Current Sense Amplifier    | 1         | 1.3m       | 4.5         | 5.5         |
| <b>ADATE209</b>  | 4.0 Gbps Dual Driver                                             | PRODUCTION                  | Pin Driver                 | 2         | -          | -           | -           |
| <b>LTC4151</b>   | High Voltage I2C Current and Voltage Monitor                     | PRODUCTION                  | Current Monitor            | 1         | 1.2m       | 7           | 80          |
| <b>LT6105</b>    | Precision, Rail-to-Rail Input Current Sense Amplifier            | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 200μ       | 2.85        | 36          |
| <b>AD626</b>     | Low Cost, Single-Supply Differential Amplifier                   | PRODUCTION                  | Differential Amplifier     | 1         | 160μ       | 2.4         | 10          |
| <b>ADA4311-1</b> | Low Cost, Dual, High Current Output Line Driver with Shutdown    | PRODUCTION                  | Line Driver                | 2         | 11.8m      | 12          | 12          |
| <b>LTC6102</b>   | Precision Zero Drift Current Sense Amplifier                     | PRODUCTION                  | Current Sense Amplifier    | 1         | 275μ       | 4           | 60          |
| <b>LTC6102HV</b> | Precision Zero Drift Current Sense Amplifier                     | PRODUCTION                  | Current Sense Amplifier    | 1         | 275μ       | 5           | 100         |
| <b>LT6106</b>    | 36V Low Cost High Side Current Sense in a SOT-23                 | RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 60μ        | 2.7         | 36          |
| <b>AD628</b>     | High Common-Mode Voltage, Programmable Gain Difference Amplifier | PRODUCTION                  | Difference Amplifier       | 1         | -          | 4.5         | 36          |

|           | Description                                                                       | Product Lifecycle               | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|-----------|-----------------------------------------------------------------------------------|---------------------------------|----------------------------|-----------|------------|-------------|-------------|
| AD5522    | Quad Parametric Measurement Unit With Integrated 16-Bit Level Setting DACs        | PRODUCTION                      | DPS & PMU                  | 4         | -          | -           | -           |
| AD629     | High Common-Mode Voltage, Difference Amplifier                                    | PRODUCTION                      | Difference Amplifier       | 1         | -          | 5           | 36          |
| AD582     | Low-Cost Sample-and-Hold Amplifier                                                | NOT RECOMMENDED FOR NEW DESIGNS | Sample and Hold            | 1         | 3m         | 18          | 36          |
| LTC6104   | High Voltage, High Side, Bi-Directional Current Sense Amplifier                   | RECOMMENDED FOR NEW DESIGNS     | Current Sense Amplifier    | 1         | 450μ       | 4           | 60          |
| LTC6103   | Dual High Voltage, High Side Current Sense Amplifier                              | RECOMMENDED FOR NEW DESIGNS     | Current Sense Amplifier    | 2         | 275μ       | 4           | 60          |
| ADA4310-1 | Low Cost, Dual, High Current Output Line Driver with Shutdown                     | PRODUCTION                      | Line Driver                | 2         | 7.6m       | 5           | 12          |
| AD8214    | Fast Response, High Voltage, Current Shunt Comparator                             | PRODUCTION                      | Current Sense Amplifier    | 1         | 1.2m       | 5           | 65          |
| ADM4073   | Low Cost, Voltage Output, High-side Current Sense Amplifier                       | PRODUCTION                      | Current Sense Amplifier    | 1         | 500μ       | 3           | 28          |
| AD8392A   | Low Power, High Output Current, Quad Op Amp, Dual-Channel ADSL/ADSL2+ Line Driver | PRODUCTION                      | Line Driver                | 4         | 5.8m       | 10          | 24          |
| AD8271    | Programmable Gain Precision Difference Amplifier                                  | PRODUCTION                      | Difference Amplifier       | 1         | -          | 5           | 36          |
| ADL5306   | 60 dB-RANGE (100 nA-100 μA) Low-Cost Logarithmic Converter                        | PRODUCTION                      | Logarithmic Amplifier      | 1         | 5.4m       | 3           | 5.5         |
| MAX9972   | Quad, Ultra-Low-Power, 300Mbps ATE Drivers/Comparators                            | PRODUCTION                      | Pin Driver                 | 4         | -          | -           | -           |
| MAX9959   | 25V Span, 800mA Device Power Supply (DPS)                                         | PRODUCTION                      | Pin Driver                 | 1         | -          | -           | -           |
| AD22057   | Single Supply Sensor Interface Amplifier                                          | NOT RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 200μ       | 3           | 36          |
| AD8202    | High Common-Mode Voltage, Single-Supply Difference Amplifier                      | PRODUCTION                      | Difference Amplifier       | 1         | 250μ       | 3.5         | 12          |

|                  | Description                                                   | Product Lifecycle | Amplifier Primary Function  | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|------------------|---------------------------------------------------------------|-------------------|-----------------------------|-----------|------------|-------------|-------------|
| <b>AD8203</b>    | High Common-Mode Voltage, Single-Supply Difference Amplifier  | PRODUCTION        | Difference Amplifier        | 1         | 250μ       | 3.5         | 12          |
| <b>AD5520</b>    | Per-pin Parametric Measurement Unit / Source Measure Unit     | PRODUCTION        | DPS & PMU                   | 1         | -          | -           | -           |
| <b>AD8206</b>    | Single-Supply 42V System Difference Amplifier                 | PRODUCTION        | Difference Amplifier        | 1         | -          | 4.5         | 5.5         |
| <b>ADN2880</b>   | 3.2 Gbps 3.3V Low Noise TIA for Small Form Factors            | LAST TIME BUY     | Transimpedance Amplifier    | 1         | 14m        | 4.75        | 5.25        |
| <b>ADL5310</b>   | 120 dB RANGE (3 nA TO 3 mA) Dual Logarithmic Converter        | PRODUCTION        | Logarithmic Amplifier       | 1         | 9.5m       | 3           | 12          |
| <b>AD8325</b>    | 5 V CATV Line Driver Fine Step Output Power Control           | PRODUCTION        | CATV Line Driver            | 1         | 133m       | 4.75        | 5.25        |
| <b>AD8324</b>    | 3.3 V DOCSIS 2.0 Upstream Cable Line Driver                   | PRODUCTION        | CATV Line Driver            | 1         | 207m       | 3.13        | 3.47        |
| <b>LT6100</b>    | Precision, Gain Selectable High Side Current Sense Amplifier  | PRODUCTION        | Current Sense Amplifier     | 1         | 60μ        | 2.7         | 36          |
| <b>AD8304</b>    | 160 dB Logarithmic Amplifier with Photo-Diode Interface       | PRODUCTION        | Logarithmic Amplifier       | 1         | 4.5m       | 3           | 5.5         |
| <b>LTC6101</b>   | High Voltage, High-Side Current Sense Amplifier in SOT-23     | PRODUCTION        | Current Sense Amplifier     | 1         | 220μ       | 4           | 60          |
| <b>LTC6101HV</b> | High Voltage, High-Side Current Sense Amplifier in SOT-23     | PRODUCTION        | Current Sense Amplifier     | 1         | 220μ       | 5           | 100         |
| <b>LT1996</b>    | Precision, 100μA Gain Selectable Amplifier                    | PRODUCTION        | Programmable Gain Amplifier | 1         | 100μ       | 2.7         | 36          |
| <b>MAX9967</b>   | Dual, Low-Power, 500Mbps ATE Driver/Comparator with 35mA Load | PRODUCTION        | Pin Driver                  | 2         | 440m       | 15          | 17          |
| <b>AD8205</b>    | Single Supply 42 V System Difference Amplifier                | PRODUCTION        | Difference Amplifier        | 1         | -          | 4.5         | 5.5         |
| <b>LT1995</b>    | 32MHz, 1000V/μs Gain Selectable Amplifier                     | PRODUCTION        | Programmable Gain Amplifier | 1         | 6.7m       | 5           | 30          |
| <b>AD598</b>     | LVDT Signal Conditioner                                       | PRODUCTION        | LVDT Amplifier              | 1         | 12m        | 13          | 36          |

|                | Description                                                                         | Product Lifecycle               | Amplifier Primary Function  | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|----------------|-------------------------------------------------------------------------------------|---------------------------------|-----------------------------|-----------|------------|-------------|-------------|
| <b>AD8016</b>  | Full Rate ADSL Line Driver With Powerdown                                           | NOT RECOMMENDED FOR NEW DESIGNS | xDSL Line Driver            | 2         | 12.5m      | 6           | 26          |
| <b>LT1991</b>  | Precision, 100µA Gain Selectable Amplifier                                          | PRODUCTION                      | Programmable Gain Amplifier | 1         | 100µ       | 2.4         | 40          |
| <b>LT1990</b>  | ±250V Input Range G = 1, 10, Micropower, Difference Amplifier                       | RECOMMENDED FOR NEW DESIGNS     | Programmable Gain Amplifier | 1         | 140µ       | 2.4         | 36          |
| <b>AD8305</b>  | 100 dB-range (10nA-1mA) Logarithmic Converter                                       | PRODUCTION                      | Logarithmic Amplifier       | 1         | 5.4m       | 3           | 12          |
| <b>AD8015</b>  | 155 Mbps Transimpedance Amplifier                                                   | PRODUCTION                      | Transimpedance Amplifier    | 1         | 25m        | 4.5         | 11          |
| <b>AD8018</b>  | 5 V, Rail-to-Rail, High Output Current, xDSL Line Driver Amplifiers                 | PRODUCTION                      | xDSL Line Driver            | 2         | 9m         | 3.3         | 8           |
| <b>AD830</b>   | High Speed, Video Difference Amplifier                                              | PRODUCTION                      | Video Difference Amplifier  | 1         | 14.5m      | 8           | 33          |
| <b>AD698</b>   | Universal LVDT Signal Conditioner                                                   | PRODUCTION                      | LVDT Amplifier              | 1         | 12m        | 13          | 36          |
| <b>MAX4210</b> | High-Side Power and Current Monitors                                                | PRODUCTION                      | Current Sense Amplifier     | 1         | 380µ       | 2.7         | 5.5         |
| <b>MAX4211</b> | High-Side Power and Current Monitors                                                | PRODUCTION                      | Current Sense Amplifier     | 1         | 670µ       | 2.7         | 5.5         |
| <b>AD693</b>   | Loop-Powered 4-20 mA Sensor Transmitter                                             | PRODUCTION                      | 4-20mA Driver               | 1         | -          | 12          | 36          |
| <b>AMP03</b>   | High-Speed Differential Amplifier                                                   | PRODUCTION                      | Differential Amplifier      | 1         | -          | 10          | 36          |
| <b>AD694</b>   | 4-20mA Monolithic Current Transmitter                                               | PRODUCTION                      | 4-20mA Driver               | -         | -          | 4.5         | 36          |
| <b>MAX4206</b> | Precision Transimpedance Logarithmic Amplifier with Over 5 Decades of Dynamic Range | PRODUCTION                      | Transimpedance Amplifier    | 1         | 3.9m       | -           | -           |
| <b>MAX4207</b> | Precision Transimpedance Logarithmic Amplifier with Over 5 Decades of Dynamic Range | PRODUCTION                      | Transimpedance Amplifier    | 1         | 5m         | -           | -           |

|         | Description                                                       | Product Lifecycle               | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|---------|-------------------------------------------------------------------|---------------------------------|----------------------------|-----------|------------|-------------|-------------|
| MAX3658 | 622Mbps, Low-Noise, High-Gain Transimpedance Preamplifier         | NOT RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 20m        | -           | -           |
| MAX9963 | Quad Low-Power 500Mbps ATE Driver/Comparator                      | PRODUCTION                      | Pin Driver                 | 4         | 440m       | 15          | 17          |
| LTC4150 | Coulomb Counter/Battery Gas Gauge                                 | PRODUCTION                      | Current Monitor            | 1         | 115μ       | 2.7         | 8.5         |
| MAX4080 | 76V, High-Side, Current-Sense Amplifiers with Voltage Output      | PRODUCTION                      | Current Sense Amplifier    | 1         | 75μ        | 4.5         | 76          |
| MAX4081 | 76V, High-Side, Current-Sense Amplifiers with Voltage Output      | PRODUCTION                      | Current Sense Amplifier    | 1         | 103μ       | 4.5         | 76          |
| AD783   | High Speed, Monolithic Sample-and-Hold Amplifier (SHA)            | PRODUCTION                      | Sample and Hold            | 1         | 9.5m       | 9.25        | 10.5        |
| SMP08   | Low Droop Rate Octal Sample-and-Hold with Multiplexed Input       | PRODUCTION                      | Sample and Hold            | 8         | 4m         | 10          | 13.2        |
| SMP04   | CMOS Quad Sample-and-Hold Amplifier                               | PRODUCTION                      | Sample and Hold            | 4         | 3.5m       | 10          | 13.2        |
| SMP18   | Fast Acquisition Octal Sample-and-Hold with Multiplexed Input     | PRODUCTION                      | Sample and Hold            | 8         | 5.5m       | 10          | 13.2        |
| AD585   | Complete Monolithic SHA Circuit                                   | NOT RECOMMENDED FOR NEW DESIGNS | Sample and Hold            | 1         | 6m         | 15.8        | 36          |
| MAX4069 | Bidirectional, High-Side, Current-Sense Amplifiers with Reference | PRODUCTION                      | Current Sense Amplifier    | 1         | 105μ       | 2.7         | 24          |
| MAX4070 | Bidirectional, High-Side, Current-Sense Amplifiers with Reference | PRODUCTION                      | Current Sense Amplifier    | 1         | 120μ       | 3.6         | 24          |
| MAX4071 | Bidirectional, High-Side, Current-Sense Amplifiers with Reference | PRODUCTION                      | Current Sense Amplifier    | 1         | 120μ       | 2.7         | 24          |
| MAX4072 | Bidirectional, High-Side, Current-Sense Amplifiers with Reference | PRODUCTION                      | Current Sense Amplifier    | 1         | 80μ        | 2.7         | 24          |
| AD684   | Monolithic Quad Sample-and-hold Amplifier (SHA)                   | PRODUCTION                      | Sample and Hold            | 4         | 18m        | 21.6        | 26.4        |

|                 | Description                                                                                 | Product Lifecycle               | Amplifier Primary Function | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|-----------------|---------------------------------------------------------------------------------------------|---------------------------------|----------------------------|-----------|------------|-------------|-------------|
| <b>AD781</b>    | High Speed, Monolithic SHA with a Max Acquisition Time for 700 ns to 0.01% Over Temperature | PRODUCTION                      | Sample and Hold            | 1         | 4m         | 21.6        | 26.4        |
| <b>AD53509G</b> | High-Performance Driver/Comparator Active Load on a Single Chip                             | PRODUCTION                      | Pin Driver                 | 1         | -          | -           | -           |
| <b>LT6301</b>   | Dual 500mA, Differential xDSL Line Driver in 28-Lead TSSOP Package                          | PRODUCTION                      | xDSL Line Driver           | 4         | 4m         | 10          | 27          |
| <b>LT1739</b>   | Dual 500mA, 200MHz xDSL Line Driver Amplifier                                               | PRODUCTION                      | xDSL Line Driver           | 2         | 10m        | 8           | 27          |
| <b>LT6300</b>   | 500mA, 200MHz xDSL Line Driver in 16-Lead SSOP Package                                      | NOT RECOMMENDED FOR NEW DESIGNS | xDSL Line Driver           | 2         | 10m        | 8           | 27          |
| <b>MAX4073</b>  | Low-Cost, SC70, Voltage-Output, High-Side Current-Sense Amplifier                           | PRODUCTION                      | Current Sense Amplifier    | 1         | 500μ       | 3           | 28          |
| <b>LT1794</b>   | Dual 500mA, 200MHz xDSL Line Driver Amplifier                                               | PRODUCTION                      | xDSL Line Driver           | 2         | 10m        | 8           | 36          |
| <b>MAX3864</b>  | 2.5Gbps, +3V to +5.5V, Wide Dynamic Range Transimpedance Preamplifier                       | NOT RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier    | 1         | 34m        | -           | -           |
| <b>MAX4376</b>  | Single/Dual/Quad High-Side Current-Sense Amplifiers with Internal Gain                      | PRODUCTION                      | Current Sense Amplifier    | 1         | 1m         | 3           | 28          |
| <b>MAX4377</b>  | Single/Dual/Quad High-Side Current-Sense Amplifiers with Internal Gain                      | PRODUCTION                      | Current Sense Amplifier    | 2         | 1m         | 3           | 28          |
| <b>MAX4378</b>  | Single/Dual/Quad High-Side Current-Sense Amplifiers with Internal Gain                      | PRODUCTION                      | Current Sense Amplifier    | 4         | 1m         | 3           | 28          |
| <b>MAX4373</b>  | Low-Cost, Micropower, High-Side Current-Sense Amplifier + Comparator + Reference ICs        | PRODUCTION                      | Current Sense Amplifier    | 1         | 50μ        | 2.7         | 28          |
| <b>MAX4374</b>  | Low-Cost, Micropower, High-Side Current-Sense Amplifier + Comparator + Reference ICs        | PRODUCTION                      | Current Sense Amplifier    | 1         | 50μ        | 2.7         | 28          |
| <b>MAX4375</b>  | Low-Cost, Micropower, High-Side Current-Sense Amplifier + Comparator + Reference ICs        | PRODUCTION                      | Current Sense Amplifier    | 1         | 50μ        | 2.7         | 28          |

|                 | Description                                                                             | Product Lifecycle               | Amplifier Primary Function              | # of Amps | Iq/Amp typ | Vs min span | Vs max span |
|-----------------|-----------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|-----------|------------|-------------|-------------|
| <b>MAX3665</b>  | 622Mbps, Ultra-Low-Power, 3.3V Transimpedance Preamplifier for SDH/SONET                | NOT RECOMMENDED FOR NEW DESIGNS | Current Sense Amplifier                 | 1         | 25m        | -           | -           |
| <b>MAX4372</b>  | Low-Cost, UCSP/SOT23, Micropower, High-Side Current-Sense Amplifier with Voltage Output | RECOMMENDED FOR NEW DESIGNS     | Current Sense Amplifier                 | 1         | 30μ        | 2.7         | 28          |
| <b>LT1787</b>   | Precision, High Side Current Sense Amplifiers                                           | PRODUCTION                      | Current Sense Amplifier                 | 1         | 60μ        | 2.5         | 36          |
| <b>LT1787HV</b> | Precision, High Side Current Sense Amplifiers                                           | PRODUCTION                      | Current Sense Amplifier                 | 1         | 60μ        | 2.5         | 60          |
| <b>MAX4198</b>  | Micropower, Single-Supply, Rail-to-Rail Precision Differential Amplifiers               | PRODUCTION                      | -                                       | 1         | 45μ        | 2.7         | 7.5         |
| <b>MAX4199</b>  | Micropower, Single-Supply, Rail-to-Rail Precision Differential Amplifiers               | PRODUCTION                      | -                                       | 1         | 45μ        | 2.7         | 7.5         |
| <b>MAX4173</b>  | Low-Cost, SOT23, Voltage-Output, High-Side Current-Sense Amplifier                      | PRODUCTION                      | Current Sense Amplifier                 | 1         | 420μ       | 3           | 28          |
| <b>MAX9000</b>  | Low-Power, High-Speed, Single-Supply Op Amp Comparator Reference ICs                    | PRODUCTION                      | Amplifier with Comparator and Reference | 1         | 450μ       | 2.5         | 5.5         |
| <b>MAX9001</b>  | Low-Power, High-Speed, Single-Supply Op Amp Comparator Reference ICs                    | PRODUCTION                      | Amplifier with Comparator and Reference | 1         | 450μ       | 2.5         | 5.5         |
| <b>MAX9002</b>  | Low-Power, High-Speed, Single-Supply Op Amp Comparator Reference ICs                    | PRODUCTION                      | Amplifier with Comparator and Reference | 1         | 375μ       | 2.5         | 5.5         |
| <b>MAX9003</b>  | Low-Power, High-Speed, Single-Supply Op Amp Comparator Reference ICs                    | PRODUCTION                      | Amplifier with Comparator and Reference | 1         | 450μ       | 2.5         | 5.5         |
| <b>MAX9004</b>  | Low-Power, High-Speed, Single-Supply Op Amp Comparator Reference ICs                    | PRODUCTION                      | Amplifier with Comparator and Reference | 1         | 450μ       | 2.5         | 5.5         |
| <b>MAX9005</b>  | Low-Power, High-Speed, Single-Supply Op Amp Comparator Reference ICs                    | PRODUCTION                      | Amplifier with Comparator and Reference | 1         | 375μ       | 2.5         | 5.5         |
| <b>LTC1541</b>  | Micropower Op Amp, Comparator and Reference                                             | PRODUCTION                      | Amplifier with Comparator and Reference | 2         | 5μ         | 2.5         | 12.6        |



|         | Description                                                    | Product Lifecycle | Amplifier Primary Function              | # of Amps | Iq/Amp typ | Vs span min | Vs span max |
|---------|----------------------------------------------------------------|-------------------|-----------------------------------------|-----------|------------|-------------|-------------|
| MAX4172 | Low-Cost, Precision, High-Side Current-Sense Amplifier         | PRODUCTION        | Current Sense Amplifier                 | 1         | 800μ       | 3           | 32          |
| MAX951  | Ultra-Low-Power, Single-Supply Op Amp + Comparator + Reference | PRODUCTION        | Amplifier with Comparator and Reference | 1         | 7μ         | 27          | 7           |
| MAX952  | Ultra-Low-Power, Single-Supply Op Amp + Comparator + Reference | PRODUCTION        | Amplifier with Comparator and Reference | 1         | 7μ         | 2.7         | 7           |
| MAX953  | Ultra-Low-Power, Single-Supply Op Amp + Comparator + Reference | PRODUCTION        | Amplifier with Comparator and Reference | 1         | 5μ         | 2.4         | 7           |
| MAX954  | Ultra-Low-Power, Single-Supply Op Amp + Comparator + Reference | PRODUCTION        | Amplifier with Comparator and Reference | 1         | 5μ         | 2.4         | 7           |

# Variable Gain Amplifiers (VGA)

| Parts           | Description                                                                | Product Lifecycle           | # of Channels | Amp Architecture        | Gain Set | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq Response <sub>min</sub> | Freq Response <sub>max</sub> | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>span min</sub> | Vs <sub>span max</sub> |
|-----------------|----------------------------------------------------------------------------|-----------------------------|---------------|-------------------------|----------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>MAX40109</b> | Precision Signal Conditioning AFE for Pressure Sensor Applications         | RECOMMENDED FOR NEW DESIGNS | 1             | -                       | -        | -                      | -                      | 1.2k                         | 45k                          | -                 | 2m                | 3                      | 36                     |
| <b>ADL6337A</b> | 35 dB Gain, 500 MHz to 5200 MHz Transmit VGA                               | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                     | Digital  | 5.9                    | 37.4                   | 500M                         | 1G                           | 3.7               | 460m              | 4.75                   | 5.25                   |
| <b>ADL6337B</b> | 35 dB Gain, 500 MHz to 5200 MHz Transmit VGA                               | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                     | Digital  | 4                      | 35.5                   | 1.35G                        | 2.8G                         | 4.5               | 460m              | 4.75                   | 5.25                   |
| <b>ADAQ8088</b> | Dual-, Differential, Low-Pass Filter $\mu$ Module with Gain and ADC Driver | PRODUCTION                  | 2             | ADC Driver, Filter, VGA | Analog   | 14                     | 30                     | 0                            | 36M                          | 13                | 71m               | 2.7                    | 3.3                    |
| <b>ADA4355</b>  | Programmable Transimpedance, Current to Bits Receiver $\mu$ Module         | RECOMMENDED FOR NEW DESIGNS | 1             | -                       | -        | -                      | -                      | -                            | -                            | -                 | -                 | 3.1                    | 3.6                    |
| <b>ADL5206</b>  | 1.0 GHz DGA with 30 dB Range and 1 dB Step Size                            | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                     | Digital  | 0                      | 32                     | 0                            | 1.7G                         | 5.13              | 112m              | 3.15                   | 5.25                   |
| <b>ADL6317</b>  | Transmit VGA for Use with RF DACs and Transceivers                         | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                     | Digital  | -2.4                   | 33.6                   | 1.5G                         | 3G                           | 6                 | 435m              | 4.75                   | 5.25                   |
| <b>MAX3522B</b> | DOCSIS 3.1 Programmable-Gain Amplifier                                     | PRODUCTION                  | 1             | PGA                     | Digital  | -24.3                  | 26.2                   | 5M                           | 204M                         | 12                | 725m              | 4.75                   | 5.25                   |
| <b>ADL6316</b>  | 500 MHz to 1000 MHz Transmit VGA for Use with RF DACs and Transceivers     | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                     | Digital  | -3.4                   | 31.1                   | 500M                         | 1G                           | 5.85              | 435m              | 4.75                   | 5.25                   |

|                 | Description                                                                     | Product Lifecycle               | # of Channels | Amp Architecture | Gain Set | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|-----------------|---------------------------------------------------------------------------------|---------------------------------|---------------|------------------|----------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>MAX3523</b>  | Low-Power DOCSIS 3.1 Programmable-Gain Amplifier                                | RECOMMENDED FOR NEW DESIGNS     | 1             | PGA              | Digital  | -24                    | 38                     | 5M                           | 204M                         | 14                | 700m              | 4.75                   | 5.25                   |
| <b>MAX3521</b>  | DOCSIS 3.0 Upstream Amplifier                                                   | PRODUCTION                      | 1             | PGA              | Digital  | -25                    | 37                     | 5M                           | 85M                          | 11                | 475m              | 4.75                   | 5.25                   |
| <b>ADL5335</b>  | 700 MHz to 4200 MHz Tx DGA                                                      | RECOMMENDED FOR NEW DESIGNS     | 1             | Driver, VGA      | Digital  | -8                     | 12                     | 700M                         | 4.2G                         | 5.4               | 125m              | 4.75                   | 5.25                   |
| <b>ADRF6520</b> | Dual Programmable Filters and VGAs for 2 GHz Channel Spacing for $\mu$ W Radios | RECOMMENDED FOR NEW DESIGNS     | 2             | Filter, VGA      | Analog   | -7                     | 53                     | 36M                          | 720M                         | 10.5              | 425m              | 3.15                   | 3.45                   |
| <b>HMC625B</b>  | 0.5 dB LSB GaAs MMIC 6-Bit Digital Variable Gain Amplifier, DC - 5 GHz          | RECOMMENDED FOR NEW DESIGNS     | 1             | VGA              | Digital  | -13.5                  | 18                     | 0                            | 5G                           | 6                 | 87.5m             | 4.75                   | 5.25                   |
| <b>ADL5205</b>  | Dual, 35 dB Range, 1 dB Step Size DGA                                           | RECOMMENDED FOR NEW DESIGNS     | 2             | VGA              | Digital  | -9                     | 26                     | 0                            | 1.7G                         | 6.6               | 175m              | 3.15                   | 5.25                   |
| <b>HMC8121</b>  | 81 GHz to 86 GHz, E-Band Variable Gain Amplifier                                | RECOMMENDED FOR NEW DESIGNS     | 1             | VGA              | Digital  | 5                      | 22                     | 81G                          | 86G                          | -                 | 265m              | -5                     | 4                      |
| <b>HMC8120</b>  | 71 GHz to 76 GHz, E-Band Variable Gain Amplifier                                | RECOMMENDED FOR NEW DESIGNS     | 1             | VGA              | Digital  | 7                      | 22                     | 71G                          | 76G                          | -                 | 250m              | -5                     | 4                      |
| <b>ADA8282</b>  | Radar Receive Path AFE: 4-Channel LNA and PGA                                   | RECOMMENDED FOR NEW DESIGNS     | 4             | LNA, PGA         | Digital  | 18                     | 36                     | 5M                           | 42.3M                        | -                 | 19.6m             | 3                      | 3.6                    |
| <b>ADA4961</b>  | Low Distortion, 3.2 GHz, RF DGA                                                 | RECOMMENDED FOR NEW DESIGNS     | 1             | ADC Driver, VGA  | Digital  | -6                     | 15                     | 10M                          | 3.2G                         | 5.6               | 150m              | 3.3                    | 5.5                    |
| <b>HMC1023</b>  | 72 MHz Dual Programmable Low Pass Filter                                        | NOT RECOMMENDED FOR NEW DESIGNS | 1             | Filter, PGA      | Digital  | 0                      | 10                     | 5M                           | 72M                          | 10                | 240m              | 4.75                   | 5.25                   |

|          | Description                                                                                                                                            | Product Lifecycle           | # of Channels | Amp Architecture   | Gain Set         | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|--------------------|------------------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| AD8338   | Low Power, 18 MHz Variable Gain Amplifier                                                                                                              | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                | Analog           | 0                      | 80                     | 0                            | 18M                          | -                 | 3m                | 3                      | 5                      |
| MAX19791 | 50MHz to 4000MHz Dual Analog Voltage Variable Attenuator with On-Chip 10-Bit SPI-Controlled DAC                                                        | PRODUCTION                  | 2             | VVA                | Analog + Digital | -                      | -3.9                   | 50M                          | 4G                           | -                 | 13m               | 3.15                   | 5.25                   |
| MAX19793 | 1500MHz to 6000MHz Dual Analog Voltage Variable Attenuator with On-Chip 10-Bit SPI-Controlled DAC                                                      | PRODUCTION                  | 2             | VVA                | Analog + Digital | -                      | -7.6                   | 1.5G                         | 6G                           | -                 | 13m               | 3.15                   | 5.25                   |
| HMC742A  | 0.5 dB LSB GaAs MMIC 6-Bit Digital Variable Gain Amplifier SMT, 0.07 - 4 GHz                                                                           | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                | Digital          | -19.5                  | 12                     | 70M                          | 4G                           | 4                 | 150m              | 5                      | 5.5                    |
| MAX19794 | 10MHz to 500MHz Dual Analog Voltage Variable Attenuator with On-Chip 10-Bit SPI-Controlled DAC                                                         | PRODUCTION                  | 2             | VVA                | Analog + Digital | -                      | -3                     | 10M                          | 500M                         | -                 | 13m               | 3.15                   | 5.25                   |
| MAX2091  | 50MHz to 500MHz Analog VGA, 1735MHz to 1935MHz Upconverting Mixer with Image Filtering, Threshold Alarm Circuit, and Error Amplifier for Level Control | PRODUCTION                  | 1             | Filter, Mixer, VGA | Analog           | -                      | 23                     | 50M                          | 500M                         | 5.4               | 254m              | 4.75                   | 5.8                    |
| MAX2092  | 700MHz to 2700MHz Analog VGA with Threshold Alarm Circuit and Error Amplifier for Level Control                                                        | PRODUCTION                  | 1             | VGA                | Analog           | -                      | 18.1                   | 700M                         | 2.7G                         | 5.2               | 93m               | 4.75                   | 5.8                    |

|                | Description                                                                                    | Product Lifecycle           | # of Channels | Amp Architecture      | Gain Set         | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|----------------|------------------------------------------------------------------------------------------------|-----------------------------|---------------|-----------------------|------------------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>AD8367S</b> | Aerospace 500 MHz, 45 dB Linear-in-dB Variable Gain Amplifier                                  | RECOMMENDED FOR NEW DESIGNS | 1             | Differential Amp, VGA | Analog           | -2.5                   | 42.5                   | 10M                          | 500M                         | -                 | 39m               | 3                      | 5.25                   |
| <b>HMC6187</b> | Variable Gain Amplifier SMT, 27 - 31.5 GHz                                                     | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                   | Analog           | 6                      | 19                     | 27G                          | 31.5G                        | 4.5               | 230m              | -5                     | 4                      |
| <b>HMC960</b>  | DC - 100 MHz Dual Digital Variable Gain Amplifier SMT with Driver                              | LAST TIME BUY               | 2             | VGA                   | Digital          | 0                      | 40                     | 0                            | 100M                         | 6                 | 70m               | 4.5                    | 5.5                    |
| <b>HMC996</b>  | Analog Variable Gain Amplifier SMT, 5 - 12 GHz                                                 | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                   | Analog           | -3.5                   | 18.5                   | 5G                           | 12G                          | 2                 | 120m              | 5                      | 5.5                    |
| <b>HMC997</b>  | Analog Variable Gain Amplifier SMT, 17 to 27 GHz                                               | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                   | Analog           | 5.5                    | 20.5                   | 17G                          | 27G                          | 3.5               | 170m              | 5                      | 5                      |
| <b>MAX2090</b> | 50MHz to 1000MHz Analog VGA with Threshold Alarm Circuit and Error Amplifier for Level Control | PRODUCTION                  | 1             | VGA                   | Analog           | -                      | 25.5                   | 50M                          | 1G                           | 4                 | 85m               | 4.75                   | 5.8                    |
| <b>MAX1454</b> | Precision Sensor Signal Conditioner with Overvoltage Protection                                | PRODUCTION                  | 1             | PGA                   | Digital          | 15.56                  | 66.2                   | -                            | -                            | -                 | 2.5m              | 3                      | 5.5                    |
| <b>MAX2064</b> | 50MHz to 1000MHz, High-Linearity, Serial/Analog-Controlled VGA                                 | PRODUCTION                  | 2             | VVA                   | Analog + Digital | -                      | 22                     | 50M                          | 1G                           | 4.4               | 143m              | 4.75                   | 5.25                   |
| <b>HMC680</b>  | BiCMOS 5-Bit Digital Variable Gain Amplifier SMT, 30 - 400 MHz                                 | LAST TIME BUY               | 1             | VGA                   | Digital          | -4                     | 19                     | 30M                          | 400M                         | 5                 | 250m              | 4.5                    | 5.6                    |

|                   | Description                                                                    | Product Lifecycle               | # of Channels | Amp Architecture      | Gain Set           | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|-------------------|--------------------------------------------------------------------------------|---------------------------------|---------------|-----------------------|--------------------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>HMC900</b>     | 50 MHz Dual Baseband Programmable Low Pass Filter                              | NOT RECOMMENDED FOR NEW DESIGNS | 1             | Filter, PGA           | Digital            | 0                      | 10                     | 3.5M                         | 50M                          | 12                | 130m              | 4.75                   | 5.25                   |
| <b>ADL5240</b>    | 100 MHz TO 4000 MHz RF/IF Digitally Controlled VGA                             | LAST TIME BUY                   | 1             | VGA                   | Digital            | -12.6                  | 18.2                   | 100M                         | 4G                           | 4.9               | 93m               | 4.75                   | 5.25                   |
| <b>ADL5243</b>    | 100 MHz TO 4000 MHz RF/IF Digitally Controlled VGA                             | LAST TIME BUY                   | 1             | VGA                   | Digital            | -1.2                   | 31.3                   | 100M                         | 4G                           | 3.1               | 175.5m            | 4.75                   | 5.25                   |
| <b>MAX19790</b>   | 250MHz to 4000MHz Dual, Analog Voltage Variable Attenuator                     | PRODUCTION                      | 2             | VVA                   | Analog             | -                      | -4.4                   | 250M                         | 4G                           | 4.4               | 7.3m              | 4.75                   | 5.25                   |
| <b>AD8432</b>     | Dual-Channel Ultralow Noise Amplifier with Selectable Gain and Input Impedance | PRODUCTION                      | 2             | VGA                   | Digital, Pin Strap | 12                     | 24                     | 100k                         | 200M                         | 2.3               | 24m               | 4.5                    | 5.5                    |
| <b>LTC6412</b>    | 800MHz, 31dB Range Analog-Controlled VGA                                       | LAST TIME BUY                   | 1             | VGA                   | Analog             | -14                    | 17                     | -                            | 800M                         | 10                | 110m              | 3                      | 3.6                    |
| <b>ADL5331</b>    | 1 MHz to 1.2 GHz VGA with 30 dB Gain Control Range                             | RECOMMENDED FOR NEW DESIGNS     | 1             | Differential Amp, VGA | Analog             | -14                    | 17                     | 1M                           | 1.2G                         | 9                 | 240m              | 4.75                   | 5.25                   |
| <b>AD8264</b>     | Quad, 235 MHz, DC-Coupled VGA and Differential Output Amplifier                | RECOMMENDED FOR NEW DESIGNS     | 4             | VGA                   | Analog             | 0                      | 24                     | 0                            | 235M                         | -                 | 99m               | 5                      | 10                     |
| <b>MAX9939</b>    | SPI-Programmable Gain Amplifier (PGA) with Input VOS Trim and Output Op Amp    | PRODUCTION                      | 1             | PGA                   | Digital            | -                      | -                      | -                            | -                            | -                 | 3.4m              | 2.9                    | 5.5                    |
| <b>HMC694-Die</b> | Analog Variable Gain Amplifier Chip, 6 - 17 GHz                                | PRODUCTION                      | 1             | VGA                   | Analog             | 1                      | 24                     | 6G                           | 17G                          | 5                 | 170m              | 5                      | 5.5                    |

|                  | Description                                                                    | Product Lifecycle           | # of Channels | Amp Architecture | Gain Set           | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|------------------|--------------------------------------------------------------------------------|-----------------------------|---------------|------------------|--------------------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>HMC694LP4</b> | GaAs MMIC Analog Variable Gain Amplifier, 6 - 17 GHz                           | PRODUCTION                  | 1             | VGA              | Analog             | 0                      | 23                     | 6G                           | 17G                          | 6                 | 175m              | 5                      | 5.5                    |
| <b>LTC6603</b>   | Dual Adjustable Lowpass Filter                                                 | RECOMMENDED FOR NEW DESIGNS | 2             | PGA              | Digital, Pin Strap | 0                      | 24                     | -                            | 2.5M                         | -                 | 88m               | 2.7                    | 3.6                    |
| <b>LT5554</b>    | Broadband Ultra Low Distortion 7-Bit Digitally Controlled VGA                  | PRODUCTION                  | 1             | VGA              | Digital            | 2                      | 18                     | 0                            | 1G                           | 10                | 110m              | 4.75                   | 5.25                   |
| <b>MAX2067</b>   | 50MHz to 1000MHz High-Linearity, Serial/Analog-Controlled VGA                  | PRODUCTION                  | 1             | VGA              | Analog             | -                      | 21.9                   | 50M                          | 1G                           | 4                 | 123m              | 3.135                  | 5.25                   |
| <b>MAX2066</b>   | 50MHz to 1000MHz High-Linearity, Serial/Parallel-Controlled Digital VGA        | PRODUCTION                  | 1             | VGA              | Digital            | -                      | 20.5                   | 50M                          | 1G                           | 5.2               | 121m              | 3.135                  | 5.25                   |
| <b>MAX2065</b>   | 50MHz to 1000MHz High-Linearity, Serial/Parallel-Controlled Analog/Digital VGA | PRODUCTION                  | 1             | VGA              | Analog + Digital   | -                      | 19.4                   | 50M                          | 1G                           | 6.5               | 124m              | 3.135                  | 5.25                   |
| <b>AD8372</b>    | 41 dB Range, 1 dB Step Size, Programmable Dual VGA                             | RECOMMENDED FOR NEW DESIGNS | 2             | VGA              | Digital            | -9                     | 32                     | 10M                          | 130M                         | 7.9               | 212m              | 4.5                    | 5.5                    |
| <b>AD603</b>     | Low Noise, 90 MHz Variable Gain Amplifier                                      | PRODUCTION                  | 1             | VGA              | Analog             | -11                    | 31                     | 16k                          | 90M                          | 8.8               | 20m               | -                      | 6.3                    |
| <b>AD605</b>     | Dual, Low Noise, Single-Supply Variable Gain Amplifier                         | PRODUCTION                  | 2             | VGA              | Analog             | -14                    | 34                     | 100k                         | 40M                          | 8.4               | 23m               | 4.5                    | 5.5                    |

|         | Description                                                                | Product Lifecycle           | # of Channels | Amp Architecture                  | Gain Set           | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|---------|----------------------------------------------------------------------------|-----------------------------|---------------|-----------------------------------|--------------------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| AD8260  | High Current Driver Amplifier and Digital VGA/Preamplifier with 3 dB Steps | PRODUCTION                  | 1             | Receiver                          | Digital            | -6                     | 24                     | 0                            | 195M                         | 17.6              | 28m               | 3.3                    | 10                     |
| LTC6602 | Dual Matched, High Frequency Bandpass/Lowpass Filters                      | RECOMMENDED FOR NEW DESIGNS | 2             | Differential Amp                  | Digital, Pin Strap | 0                      | 30                     | -                            | 900k                         | -                 | 65m               | 2.7                    | 3.6                    |
| AD8368  | 800 MHz, Linear-in-dB VGA with AGC Detector                                | RECOMMENDED FOR NEW DESIGNS | 1             | ADC Driver, Differential Amp, VGA | Analog             | -12                    | 22                     | 10M                          | 800M                         | 9.5               | 60m               | 4.75                   | 5.5                    |
| AD8375  | Ultralow Distortion IF VGA                                                 | PRODUCTION                  | 1             | Differential Amp, VGA             | Digital            | -4                     | 20                     | 10M                          | 630M                         | 8.3               | 125m              | 4.5                    | 5.5                    |
| AD8376  | Ultralow Distortion IF Dual VGA                                            | RECOMMENDED FOR NEW DESIGNS | 2             | VGA                               | Digital            | -4                     | 20                     | 10M                          | 700M                         | 8.7               | 250m              | 4.5                    | 5.5                    |
| AD604   | Dual, Ultralow Noise Variable Gain Amplifier                               | PRODUCTION                  | 2             | VGA                               | Analog             | 0                      | 48                     | 100k                         | 40M                          | 8.4               | 31m               | 10                     | 10                     |
| AD8337  | General-Purpose, Low Cost, DC-Coupled VGA                                  | PRODUCTION                  | 1             | VGA                               | Analog             | 0                      | 24                     | 0                            | 100M                         | -                 | 15m               | 4.5                    | 10                     |
| AD8370  | 750 MHz Digitally Controlled Variable Gain Amplifier                       | PRODUCTION                  | 1             | VGA                               | Digital            | -11                    | 34                     | 10M                          | 750M                         | 7.2               | 79m               | 3                      | 5.5                    |
| AD8336  | General-Purpose, -55°C to +125°C, Wide Bandwidth, DC-Coupled VGA           | PRODUCTION                  | 1             | VGA                               | Analog             | -14                    | 46                     | 0                            | 115M                         | -                 | 25m               | 6                      | 24                     |
| AD600   | Dual, Low Noise, Wideband Variable Gain Amplifier, 0 dB To +40 dB Gain     | PRODUCTION                  | 2             | VGA                               | Analog             | 0                      | 40                     | 100k                         | 10M                          | -                 | 14m               | 4.75                   | 5.25                   |



|         | Description                                                                          | Product Lifecycle           | # of Channels | Amp Architecture                  | Gain Set | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|---------|--------------------------------------------------------------------------------------|-----------------------------|---------------|-----------------------------------|----------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| AD8330  | Low Cost, DC to 150 MHz, Variable Gain Amplifier                                     | PRODUCTION                  | 1             | VGA                               | Analog   | 0                      | 50                     | 0                            | 150M                         | -                 | 20m               | 2.7                    | 6                      |
| MAX2058 | 700MHz to 1200MHz High-Linearity, SPI-Controlled DVGA with Integrated Loopback Mixer | PRODUCTION                  | 1             | DVGA, Mixer                       | Digital  | -                      | 10.5                   | 700M                         | 1.2G                         | 6.8               | 158m              | 4.75                   | 5.25                   |
| AD8332  | Dual VGA with Ultralow Noise Preamplifier and Programmable RIN                       | PRODUCTION                  | 2             | VGA                               | Analog   | -4.5                   | 43.5                   | 100k                         | 100M                         | 4.2               | 58m               | 4.5                    | 5.5                    |
| AD8331  | Single VGA with Ultralow Noise Preamplifier and Programmable RIN                     | PRODUCTION                  | 1             | VGA                               | Analog   | -4.5                   | 43                     | 100k                         | 120M                         | 4.15              | 25m               | 4.5                    | 5.5                    |
| AD8334  | Quad VGA with Ultralow Noise Preamplifier and Programmable RIN                       | PRODUCTION                  | 4             | VGA                               | Analog   | 4.5                    | 43.5                   | 100k                         | 100M                         | -                 | 116m              | 4.5                    | 5.5                    |
| ADL5330 | 10 MHz to 3 GHz VGA with 60 dB Gain Control Range                                    | RECOMMENDED FOR NEW DESIGNS | 1             | VGA                               | Analog   | -32                    | 21                     | 10M                          | 3G                           | 9                 | 215m              | 4.75                   | 5.25                   |
| AD602   | Dual, Low Noise, Wideband Variable Gain Amplifier, -10 dB To +30 dB Gain             | PRODUCTION                  | 2             | VGA                               | Analog   | -10                    | 30                     | 100k                         | 10M                          | -                 | 14m               | -                      | 5.25                   |
| AD8351  | Low Distortion Differential RF/IF Amplifier                                          | PRODUCTION                  | 1             | ADC Driver, Differential Amp, VGA | Analog   | 0                      | 26                     | 1M                           | 2.2G                         | 15.5              | 28m               | 3                      | 5.5                    |
| AD8367  | 500 MHz, 45 dB Linear-in-dB Variable Gain Amplifier                                  | PRODUCTION                  | 1             | Differential Amp, VGA             | Analog   | -2.5                   | 42.5                   | 10M                          | 500M                         | 6.2               | 26m               | 2.7                    | 5.5                    |

|                  | Description                                                                      | Product Lifecycle | # of Channels | Amp Architecture | Gain Set | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|------------------|----------------------------------------------------------------------------------|-------------------|---------------|------------------|----------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>AD8369</b>    | 600 MHz, 45 dB Digitally Controlled Variable Gain Amplifier                      | PRODUCTION        | 1             | VGA              | Digital  | -10                    | 40                     | 10M                          | 600M                         | 7                 | 37m               | 3                      | 5.5                    |
| <b>AD8335</b>    | Quad Low Noise, Low Cost Variable Gain Amplifier                                 | PRODUCTION        | 4             | VGA              | Analog   | -10                    | 38                     | 100k                         | 70M                          | -                 | 76m               | 4.5                    | 5.5                    |
| <b>MAX2056</b>   | 800MHz to 1000MHz Variable-Gain Amplifier with Analog Gain Control               | PRODUCTION        | 1             | VGA              | Analog   | -                      | 15.5                   | 800M                         | 1G                           | 4.5               | 136m              | 4.75                   | 5.25                   |
| <b>MAX2057</b>   | 1300MHz to 2700MHz Variable-Gain Amplifier with Analog Gain Control              | PRODUCTION        | 1             | VGA              | Analog   | -                      | 15.5                   | 1.3G                         | 2.7G                         | 6                 | 180m              | 4.75                   | 5.25                   |
| <b>LTC6912-1</b> | Dual Programmable Gain Amplifiers with Serial Digital Interface                  | PRODUCTION        | 2             | PGA              | Digital  | 0                      | 40                     | -                            | 30M                          | -                 | 1.75m             | 2.7                    | 10.5                   |
| <b>LTC6912-2</b> | Dual Programmable Gain Amplifiers with Serial Digital Interface                  | PRODUCTION        | 2             | PGA              | Digital  | 0                      | 36                     | -                            | 30M                          | -                 | 1.75m             | 2.7                    | 10.5                   |
| <b>LT5524</b>    | Low Distortion IF Amplifier/ADC Driver with Digitally Controlled Gain            | PRODUCTION        | 1             | VGA              | Digital  | 4.5                    | 27                     | -                            | 540M                         | 8.6               | 34m               | 4.75                   | 5.25                   |
| <b>LT5514</b>    | Ultralow Distortion IF Amplifier/ADC Driver with Digitally Controlled Gain       | PRODUCTION        | 1             | VGA              | Digital  | 10.5                   | 33                     | -                            | 850M                         | 7.4               | 64m               | 4.75                   | 5.25                   |
| <b>LTC6915</b>   | Zero Drift, Precision Instrumentation Amplifier with Digitally Programmable Gain | PRODUCTION        | 1             | charge sampling  | Digital  | 0                      | 72.2                   | -                            | 200k                         | -                 | 1.1m              | 2.7                    | 11                     |

|                  | Description                                                              | Product Lifecycle | # of Channels | Amp Architecture | Gain Set | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|------------------|--------------------------------------------------------------------------|-------------------|---------------|------------------|----------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| <b>LTC6911-1</b> | Dual Matched Amplifiers with Digitally Programmable Gain in MSOP         | PRODUCTION        | 2             | PGA              | Digital  | 0                      | 40                     | -                            | 11M                          | -                 | 2.1m              | 2.7                    | 10.5                   |
| <b>LTC6911-2</b> | Dual Matched Amplifiers with Digitally Programmable Gain in MSOP         | PRODUCTION        | 2             | PGA              | Digital  | 0                      | 36                     | -                            | 11M                          | -                 | 2.1m              | 2.7                    | 10.5                   |
| <b>MAX2055</b>   | Digitally Controlled, Variable-Gain, Differential ADC Driver/Amplifier   | PRODUCTION        | 1             | Differential VGA | Digital  | -                      | 20                     | 30M                          | 300M                         | 5.8               | 240m              | 4.75                   | 5.25                   |
| <b>MAX2027</b>   | IF Digitally Controlled Variable-Gain Amplifier                          | PRODUCTION        | 1             | DVGA             | Digital  | -                      | 15.5                   | 50M                          | 400M                         | 4.7               | 60m               | 4.75                   | 5.25                   |
| <b>LTC6910-1</b> | Digitally Controlled Programmable Gain Amplifiers in SOT-23              | PRODUCTION        | 1             | PGA              | Digital  | 0                      | 40                     | -                            | 11M                          | -                 | 2m                | 2.7                    | 11                     |
| <b>LTC6910-2</b> | Digitally Controlled Programmable Gain Amplifiers in SOT-23              | PRODUCTION        | 1             | PGA              | Digital  | 0                      | 36                     | -                            | 11M                          | -                 | 2m                | 2.7                    | 11                     |
| <b>LTC6910-3</b> | Digitally Controlled Programmable Gain Amplifiers in SOT-23              | PRODUCTION        | 1             | PGA              | Digital  | 0                      | 16.9                   | -                            | 11M                          | -                 | 2m                | 2.7                    | 11                     |
| <b>LTC1564</b>   | 10kHz to 150kHz Digitally Controlled Antialiasing Filter and 4-Bit P.G.A | PRODUCTION        | 1             | Filter, PGA      | Digital  | 0                      | 24                     | -                            | 150k                         | -                 | 17m               | 2.7                    | 10.5                   |
| <b>MAX1452</b>   | Low-Cost Precision Sensor Signal Conditioner                             | PRODUCTION        | 1             | PGA              | Digital  | 31.8                   | 47.4                   | -                            | -                            | -                 | 2m                | 4.5                    | 5.5                    |

|          | Description                                                                                | Product Lifecycle           | # of Channels | Amp Architecture | Gain Set | Gain <sub>min</sub> dB | Gain <sub>max</sub> dB | Freq <sub>min</sub> Response | Freq <sub>max</sub> Response | NF <sub>typ</sub> | Is <sub>typ</sub> | Vs <sub>min</sub> span | Vs <sub>max</sub> span |
|----------|--------------------------------------------------------------------------------------------|-----------------------------|---------------|------------------|----------|------------------------|------------------------|------------------------------|------------------------------|-------------------|-------------------|------------------------|------------------------|
| ADRF6521 | Low Frequency to 3 GHz, Dual VGA with Output Common-Mode and DC Offset Control             | RECOMMENDED FOR NEW DESIGNS | 2             | VVA + Amp        | Analog   | -3                     | 18                     | 10M                          | 3G                           | 10.5              | 200m              | 4.75                   | 5.25                   |
| HMC627A  | 0.5 dB LSB GaAs MMIC 6-Bit Digital Variable Gain Amplifier SMT, 50 MHz - 1 GHz             | LAST TIME BUY               | 1             | VGA              | Digital  | -11.5                  | 20                     | 50M                          | 1G                           | 4.3               | 90m               | 5                      | 5.5                    |
| HMC681A  | 0.5 dB LSB GaAs MMIC 6-BIT Digital Variable Gain Amplifier with Serial Control, DC - 1 GHz | LAST TIME BUY               | 1             | VGA              | Digital  | 13.5                   | 45                     | 50M                          | 1G                           | 2.7               | 176m              | 5                      | 5.5                    |

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