

SOT-23

High Speed SOT-23

| Part Type | GBW Typ MHz | Slew Rate Typ V/μS | IOUT Min mA | ISUPPLY Max mA | Single Supply | Rail to Rail Input | Rail to Rail Output | Shut-down | VSUPPLY Min V | VSUPPLY Max V | VOS Max mV | V Noise Typ nV/ Hz | I Noise Typ pA/ Hz | Price 1K Qty | Comments |
|-----------|----------------|-----------------------|----------------|-------------------|---------------|--------------------|---------------------|-----------|---------------|---------------|---------------|-----------------------|-----------------------|-----------------|------------------------------|
| LT1395 | 400 | 800 | 80 | 6.5 | Yes | No | No | Yes | 4 | 12 | 10 | 4.5 | 6 | \$2.25 | CFA, 0.1dB BW is 100MHz |
| LT1797 | 10 | 2.25 | 25 | 1.5 | Yes | Yes | Yes | Yes | 2.7 | 12.6 | 1.5 | 20 | 0.23 | \$1.00 | Precision, Unity Gain Stable |
| LT1800 | 80 | 25 | 30 | 2 | Yes | Yes | Yes | No | 2.3 | 12.6 | 0.75 | 8.5 | | \$1.30 | Speed+Precision |
| LT1806 | 325 | 140 | 40 | 13 | Yes | Yes | Yes | Yes | 2.5 | 12.6 | 0.55 | 3.5 | 4 | \$2.10 | Lowest Noise |
| LT1809 | 180 | 350 | 50 | 17 | Yes | Yes | Yes | Yes | 2.5 | 12.6 | 2.5 | 16 | 5 | \$1.75 | Low Distortion 5MHz: 90dBc |
| LT1812 | 100 | 750 | 40 | 3.6 | Yes | No | Yes | Yes | 4 | 12.6 | 1.5 | 8 | 1 | \$1.15 | Low Power, Low Noise |
| LT1815 | 220 | 1500 | 40 | 7 | Yes | No | Yes | No | 4 | 12.6 | 1.5 | 6 | 1.3 | \$1.75 | Programmable I supply |

Rail -to-Rail Input and Output SOT-23

| Part Type | VOS Max μV | TC μV/°C | IBIAS Max nA | AVOL Min V/mV | Slew Rate Min V/μS | GBW Typ MHz | V Noise Typ nV/ Hz | Shut-down | ISUPPLY mA | VSUPPLY Min V | VSUPPLY Max V | Price 1K Qty | Comments |
|---------------|---------------|----------------|-----------------|------------------|-----------------------|----------------|-----------------------|-----------|------------|---------------|---------------|-----------------|---|
| LT1782 | 800 | 5 | 15 | 400 | 0.035 | 0.2 | 50 | No | 0.055 | 2.7 | 18 | \$1.15 | Micropower, Precision, Over-The-Top™ |
| LT1783 | 800 | 5 | 80 | 400 | 0.24 | 1.25 | 20 | No | 0.3 | 2.7 | 18 | \$1.15 | Micropower, Precision, Over-The-Top™ |
| LT1784 | 3500 | 5 | 500 | 1000 | 2.1 | 2.5 | 25 | Yes | 0.75 | 2.7 | 18 | \$1.00 | Micropower, 15mA Min. Output, Over-The-Top™ |
| LT1797 | 1500 | 25 | 300 | 400 | 2.25 | 10 | 20 | No | 1.5 | 2.7 | 12.6 | \$1.00 | Fast, Precision, High CMRR and PSRR |
| LT1800 | 750 | 1.5 Typ | 250 | 30 | 25 | 80 | 8.5 | No | 2 | 2.3 | 12.6 | \$1.30 | Fast, Precise and Low Power |
| LT1806 | 550 | 5 | 4000 | 90 | 140 | 325 | 3.5 | Yes | 13 | 2.5 | 12.6 | \$2.10 | High Speed, Lowest Noise |
| LT1809 | 2500 | 25 | 8000 | 35 | 350 | 180 | 16 | Yes | 17 | 2.5 | 12.6 | \$1.75 | High Speed, Lowest Distortion 5MHz: 90dBc |

Low Bias Current and Low Offset Voltage SOT-23

| Part Type | VOS Max μV | TC μV/°C | IBIAS Max nA | AVOL Min V/mV | Slew Rate Min V/μS | GBW Typ MHz | V Noise Typ nV/ Hz | Shut-down | ISUPPLY | VSUPPLY Min V | VSUPPLY Max V | Price 1K Qty | Comments |
|-----------|---------------|-------------|-----------------|------------------|-----------------------|----------------|-----------------------|-----------|---------|---------------|---------------|-----------------|------------------------------|
| LT1880 | 150 | 1.2 | 1.2pA | 500 | 0.25 | 1.1 | 13 | | 2 | 2.7 | 36 | \$1.75 | Industrial Temperature range |

Zero Drift SOT-23

| Part Type | VOS μV | TC μV/°C Max | IBIAS Max nA | AVOL Min V/mV | Slew Rate Min V/μS | GBW Typ MHz | V Noise Typ μVPP | Shut- down | ISUPPLY mA | Single Supply | Rail to Rail Output | VSUPPLY Min V | VSUPPLY Max V | Price 1K Qty | Comments |
|-------------|-----------|--------------------|--------------------|---------------------|--------------------------|-------------------|------------------------|---------------|---------------|------------------|---------------------------|------------------|------------------|--------------------|---------------------------------|
| LTC2050CS5 | 3 | 0.03 | 0.075 | 1000 | 2 | 3 | 1.5 | No | 1.1 | Yes | Yes** | 2.7 | 6 | \$ 1.15 | Lower Cost |
| LTC2050CS6 | 3 | 0.03 | 0.075 | 1000 | 2 | 3 | 1.5 | Yes | 1.1 | Yes | Yes** | 2.7 | 6 | \$ 1.25 | Lower Cost, Shutdown |
| LTC2050HVCε | 3 | 0.03 | 0.075 | 1000 | 2 | 3 | 1.5 | No | 1.1 | Yes | Yes** | 2.7 | 11 | \$ 1.45 | Highest Precision, High Voltage |
| LTC2050HVCε | 3 | 0.03 | 0.075 | 1000 | 2 | 3 | 1.5 | Yes | 1.1 | Yes | Yes** | 2.7 | 11 | \$ 1.55 | Highest Precision, High Voltage |

** A minimum of 2.85V swing on a 3V supply