



20 μ A Op Amp Provides 30 μ V Precision

MILPITAS, CA – March 23, 2015 – Linear Technology introduces the [LT6023](#), a dual 3V to 30V low power operational amplifier, featuring 30 μ V maximum input offset voltage and 60 μ s settling to 0.01%. Proprietary slew enhancement circuitry results in a fast, clean output step response with low power consumption. Specially designed input circuitry maintains high impedance, which minimizes current spikes associated with fast steps for input steps up to 5V. Together these features make the LT6023 an ideal for portable high precision instruments, multiplexed data acquisition systems, and DAC buffer applications.

The LT6023-1 includes a shutdown mode, which reduces the supply current to less than 3 μ A when the amplifier is not active. Enable time of 480 μ s and fast slew rate combine to provide power-efficient operation in duty-cycled applications, such as those featuring Linear Technology's Dust Networks® wireless sensor network products.

Fully specified over the –40°C to 85°C and –40°C to 125°C temperature ranges, the LT6023 is available in MSOP-8 and 3x3mm DFN packages. Prices start at \$1.85 each in quantities of 1,000 units. For more information, www.linear.com/product/LT6023


Photo Caption: Op Amp Combines Low Power, High Precision, and Fast Settling**Summary of Features: LT6023**

- 30µV Max Input Offset Voltage (MSOP Package)
- Excellent Slew Rate to Power Consumption Ratio
 - 1V/µs Slew Rate (10V step)
 - 20µA Max Supply Current
- 3nA Max Input Bias Current
- 3V to 30V Supply Range
- Output Swings Rail-to-Rail
- –40°C to 125°C Specified Temperature Range
- 3µA Max Shutdown Mode (LT6023-1)
- 8-Lead MSOP & 3x3mm DFN Packages

The USA list pricing shown is for budgetary use only. International prices may differ due to local duties, taxes, fees and exchange rates.

About Linear Technology

Linear Technology Corporation, a member of the S&P 500, has been designing, manufacturing and marketing a broad line of high performance analog integrated circuits for major companies worldwide for over three decades. The Company's products provide an essential bridge between our analog world and the digital electronics in communications, networking, industrial, automotive, computer, medical, instrumentation, consumer, and military and aerospace systems. Linear Technology produces power management, data conversion, signal conditioning, RF and interface ICs, µModule® subsystems, and wireless sensor network products. For more information, visit www.linear.com

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