

LTC News for Immediate Release

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Precision Voltage Reference in a Tiny 2mm x 2mm DFN Package

MILPITAS, CA – January 25, 2006 – Linear Technology Corporation announces the LT6660, the industry's first precision series voltage reference to use the tiny 3-lead 2mm x 2mm DFN package. These compact devices combine 0.2% initial accuracy and 20ppm drift with micro-power operation and require less than half the space of the SOT-23 package. Furthermore, the LT6660 does not require an output compensation capacitor – a key advantage where PC board space is at a premium or fast settling is required.

The LT6660 accepts input voltages up to 30V and can withstand reverse-battery conditions. The output voltages include 2.5V, 3V, 3.3V, 5V and 10V. With a dropout of only 900mV, this tiny device is also ideal for precision regulator applications since it can supply up to 20mA of current. Since it needs no output compensation capacitor, the LT6660 is also suited to applications with intrinsic safety requirements.

The LT6660 offers a way to significantly reduce the size of new designs without compromising performance. “The LT6660 combines an excellent set of features and precision specifications in only 4mm²,” says Brendan Whelan, design section lead for Linear Technology.

The LT6660 is in full production, with prices starting at \$0.88 each in 1,000-piece quantities.

(more...)

Summary of Features: LT6660

- 3-Lead DFN Package
- Low Drift: 20ppm/°C Max
- High Accuracy: 0.2% Max
- Low Supply Current: 115uA
- 20mA Output Current Guaranteed
- No Output Capacitor Required
- Reverse-Battery Protection
- Voltage Options: 2.5V, 3V, 3.3V, 5V and 10V
- Offered in 3 Accuracy Grades:
 - H (0.2% Initial Accuracy, 20ppm Drift)
 - J (0.4% Initial Accuracy, 20ppm Drift)
 - K (0.5% Initial Accuracy, 50ppm Drift)

About Linear Technology Corporation

Linear Technology Corporation, a manufacturer of high performance linear integrated circuits, was founded in 1981, became a public company in 1986 and joined the S&P 500 index of major public companies in 2000. Linear Technology products include high performance amplifiers, comparators, voltage references, monolithic filters, linear regulators, DC-DC converters, battery chargers, data converters, communications interface circuits, RF signal conditioning circuits, and many other analog functions. Applications for Linear Technology's high performance circuits include telecommunications, cellular telephones, networking products such as optical switches, notebook and desktop computers, computer peripherals, video/multimedia, industrial instrumentation, security monitoring devices, high-end consumer products such as digital cameras and MP3 players, complex medical devices, automotive electronics, factory automation, process control, and military and space systems. For more information, visit www.linear.com

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