

***LTC News for Immediate Release***

For more information, tel. 408-432-1900  
Doug Dickinson, Media Relations Mgr., ext. 2233  
[www.linear.com](http://www.linear.com)

**2A Step-Up DC/DC Converter in SOT-23**

MILPITAS, CA. – December 14, 2004 – Linear Technology Corporation announces the LTC3426, a 2 Amp, 6V, 1.2MHz step-up DC/DC converter in a ThinSOT™ package. Its wide 1.6V to 4.2V input voltage range enables the LTC3426 to operate from dual cell Alkaline/NiMH/NiCd to single cell Li-Ion batteries, delivering outputs up to 5.5V with efficiencies over 90%. Its constant 1.2MHz switching frequency allows designers to keep switching noise out of noise-sensitive circuitry and enables the use of tiny capacitors and inductors. The combination of the LTC3426's high efficiency switch and tiny ThinSOT package provides high current boost capability in a very compact form factor, making it ideal for space-constrained applications.

The LTC3426's 100mOhm switch provides high efficiency at heavy loads. It can generate up to 800mA of output current at 5V from a 3.3V supply. Antiringing circuitry reduces EMI concerns by damping the inductor while in discontinuous mode, and internal soft-start eases inrush current concerns.

The LTC3426ES6 is available from stock in a ThinSOT package. Pricing starts at \$1.75 each for 1,000-piece quantities.

**Summary of Features: LTC3426**

- Internal 2A MOSFET Switch
- 1.2MHz Switching Frequency
- Delivers 5V at 800mA from a 3.3V Input
- Delivers 3.3V at 800mA from a 2.5V Input
- Integrated Soft-Start
- $V_{IN}$  Range: 1.6V to 4.3V
- Low RDS(ON) Switch: 100 milliOhm at 5V Output
- Low Profile (1mm) SOT-23 (ThinSOT) Package

(more...)

COMPANY BACKGROUND: Linear Technology Corporation was founded in 1981 as a manufacturer of high performance linear integrated circuits. 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, contact:

Doug Dickinson, Media Relations Manager

**Linear Technology Corporation**

1630 McCarthy Boulevard

Milpitas, CA 95035-7417

408-432-1900

READER SERVICE: Call toll-free 1-800-4-LINEAR (for literature only).

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