

***LTC News for Immediate Release***

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**MicroPower Inverter with Integrated Schottky in ThinSOT**

MILPITAS, CA – December 16, 2004 – Linear Technology Corporation announces the LT3483, a 40V, 200mA inverting DC/DC converter with an on-chip schottky diode in a ThinSOT™ package. The LT3483 utilizes a current limited, fixed off-time architecture, which delivers high efficiency over a broad range of load current, while BurstMode® operation allows quiescent current of only 40uA. The LT3483's input voltage range of 2.5V to 16V makes it ideal for single cell Li-Ion or multi-cell NiMH/NiCd and alkaline applications, as well as more general purpose fixed rail systems. Its output voltage capability makes it ideal for a wide array of negative biasing applications, including CCD, LCD and general purpose negative voltage supplies.

The LT3483 can deliver up to 70mA at -5V from a 5V input. Additional features include an integrated feedback resistor output short-circuit protection. The LT3483's small package, high level of integration and use of tiny surface mount components yield a solution footprint of less than 40mm<sup>2</sup>.

The LT3483 is available in a ThinSOT package from stock. Pricing starts at \$2.05 each for 1,000-piece quantities.

(more...)

**Summary of Features: LT3483**

- Internal 40V, 200mA Switch and Schottky Diode
- One Resistor Feedback (Other Resistor Inside)
- Generates Regulated Negative Outputs to -38V
- Low Quiescent Current: 40uA in Active Mode, <1uA in Shutdown Mode
- Low VCESAT Switch: 200mV at 150mA
- Wide Input Range: 2.5V to 16V
- Uses Small Surface Mount Components
- Output Short-Circuit Protected
- Available in a 6-Lead SOT-23 Package

**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.

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

**Note:** LT, LTC, Burst Mode and  are registered trademarks and ThinSOT is a trademark of Linear Technology Corp.