

LTC News for Immediate Release

For more information, tel. 408-432-1900
Doug Dickinson, Media Relations Mgr., ext. 2233
John Hamburger, Dir., Mktg Comm., ext. 2419
www.linear.com

High Efficiency Photoflash Capacitor Charger with Output Voltage Monitor and Integrated IGBT Driver in 3mm x 3mm DFN

MILPITAS, CA – December 2, 2005 – Linear Technology announces the LT3485 family of photoflash capacitor charger ICs which integrate complete photoflash capacitor charger and IGBT drive. The patented control technique of the LT3485 allows it to use extremely small “standardized” transformers. No external components are required to set the output voltage. While charging, an output proportional to the capacitor voltage is available for monitoring. Input current is tightly controlled to provide consistent charge time.

The devices operate from an input voltage of 1.8V to 10V, making them ideal for applications powered by 2 AA alkaline cells or Li-Ion single or multiple cell batteries. The LT3485-3, -0, -2 and -1 have primary current limits of 2A, 1.4A, 1A and 0.7A respectively, resulting in tightly controlled average input current of 700mA, 500mA, 350mA and 225mA, respectively. The four versions are otherwise identical.

The CHARGE pin gives the user full control of the part. Driving the CHARGE pin low puts the part in micropower shutdown. The DONE pin indicates when the part has completed charging. The LT3485 series of parts are housed in a tiny low profile 3mm x 3mm DFN package, enabling solution footprints as small as 75mm².

The LT3485-0, -1, -2 and -3 are available from stock in a 3mm x 3mm DFN package. All are priced at \$2.25 in 1,000-piece quantities and are available from stock.

(more...)

Summary of Features: LT3485-0, -1, -2, -3

- Integrated IGBT Driver
- Voltage Output Monitor
- Uses Small Transformers: 5.8mm x 5.8mm x 3mm
- Operates from Two AA Batteries, Single Cell Li-Ion or Any Supply from 1.8V up to 10V
- No Output Voltage Divider Needed
- No External Schottky Diode Required
- Charges Any Size Photoflash Capacitor
- Available in 10-Lead (3mm x 3mm) DFN

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

Contact:

Doug Dickinson, Media Relations Manager

Linear Technology Corporation

1630 McCarthy Boulevard


Milpitas, CA 95035-7417

ddickinson@linear.com

408-432-1900

READER SERVICE: Call toll-free 1-800-4-LINEAR (for literature only), or go to the company's web site:

<http://www.linear.com>

Note: LT, LTC, and  are registered trademarks of Linear Technology Corp.