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EN55022 Class B Noise Compliant 3A DC/DC uModule Regulator Operates from 3.6V to 36V Input

MILPITAS, CA – July 22, 2010 – Linear Technology Corporation introduces the [LTM8033](#), a complete 3A DC/DC uModule[®] regulator system. In addition to the device's onboard inductor, DC/DC converter and supporting circuitry, it includes an EMI (electromagnetic interference) filter, making it compliant with EN55022 Class B by a wide margin (see online report at www.linear.com/micromodule). The circuitry is housed in a small 11.25mm x 15mm x 4.32mm enclosed plastic LGA (land grid array) package and weighs only 2.3g. The LTM8033 operates from a wide input voltage range of 3.6V to 36V and can provide a regulated output voltage ranging from 0.8V to 24V at up to 3A. If more than 3A is required, multiple LTM8033 devices can be paralleled for current sharing.

Simplicity, compactness and EN55022 compliance allows the LTM8033 to be used in applications that require low noise operation such as medical equipment, avionics systems, communication wireless systems and ultrasonic detectors. The LTM8033 has a resistor-selectable switching frequency adjustable from 200kHz to 2.4MHz, enabling the designer to improve efficiency according to the V_{IN} -to- V_{OUT} ratio of the conversion. The LTM8033 is rated for operation from -40°C to 125°C and -55°C to 125°C. 1,000-piece pricing starts at \$11.95 each. For more information, visit www.linear.com/8033.


Photo Caption: Ultralow Noise EN55022 Class B 3A DC/DC uModule Regulator

Summary of Features: LTM8033

- EN55022 Class B Compliant
- 3A, 3.6V to 36V Input Voltage Range & 0.8V to 24V Output Voltage Range
- 11.25mm x 15mm x 4.32mm LGA Package

About Linear Technology

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, uModule[®] products, 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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