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## **2kVAC Isolated $\mu$ Module Converters, $2.8V_{IN}$ to $40V_{IN}$ Meet Information Technology Equipment Safety UL60950**

MILPITAS, CA – February 24, 2016 – Linear Technology introduces the [LTM8067](#) and [LTM8068](#), DC/DC  $\mu$ Module<sup>®</sup> regulators with 2kVAC galvanic isolation. The LTM8067 and LTM8068 include an isolating transformer, control circuitry, power switches and other supporting components in a 9mm x 11.25mm x 4.92mm BGA package. Only one resistor, plus input and output capacitors are required to complete the design. Pin creepage and clearance and other features permit these devices to be recognized by UL60950 Information Technology Equipment Safety. The LTM8068 includes an additional low noise linear regulator. Applications include ground loop elimination in systems with sensors or noise sensitive loads in industrial automation, test and measurement equipment.

The LTM8067 and LTM8068 operate from an input voltage range of 2.8V to 40V. Because of flyback topology, each can regulate an output voltage above, below or equal to the input voltage. The LTM8067 has an adjustable output voltage range of 2.5V to 24V with up to 450mA load current ability. The LTM8068, with a low noise linear regulator at its output, has an output voltage range of 1.2V to 18V. The linear regulator reduces the output voltage ripple to  $20\mu V_{RMS}$  at 300mA, improving the noise performance in powering high accuracy signal conditioning and mixed signal ICs.

The LTM8067 and LTM8068 operate from  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ . 1,000-piece pricing starts at \$10.90 each. For more information, visit [www.linear.com/product/LTM8067](http://www.linear.com/product/LTM8067) and [www.linear.com/product/LTM8068](http://www.linear.com/product/LTM8068).

## Photo Caption: 2kVAC Isolated $\mu$ Module Converters


### Summary of Features: LTM8067 & LTM8068

- 2kVAC Isolated  $\mu$ Module<sup>®</sup> Converter (Tested 3kV DC)
- UL60950 Recognized File 464570
- Wide Input Voltage Range : 2.8V to 40V
- Wide Output Voltage Range : 2.5V to 24V (LTM8067)
- Up to 450mA Output Current (V<sub>IN</sub>=24V, V<sub>OUT</sub>=5V)
- Low Noise Linear Regulator (LTM8068 only)
  - o Voltage Range : 1.2V to 18V
  - o Low Noise : 20 $\mu$ V<sub>RMS</sub>
  - o Output Current : up to 300mA
- Low Profile 9mm x 11.25mm x 4.92mm BGA Package

Pricing shown is for budgetary use only and may differ due to local duties, taxes, fees and exchange rates.

### About Linear Technology

Linear Technology Corporation, a member of the S&P 500, has been designing, manufacturing and marketing a broad line of high performance analog integrated circuits for major companies worldwide for over three decades. The Company's products provide an essential bridge between our analog world and the digital electronics in communications, networking, industrial, automotive, computer, medical, instrumentation, consumer, and military and aerospace systems. Linear Technology produces power management, data conversion, signal conditioning, RF and interface ICs,  $\mu$ Module<sup>®</sup> subsystems, and wireless sensor network products. For more information, visit [www.linear.com](http://www.linear.com)

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