



Miniature Overvoltage Clamp from Diodes Incorporated Protects Portables

Plano, Texas – July 3, 2012 – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic and analog semiconductor markets, today announced the introduction of an overvoltage clamp for the protection of power management ICs (PMIC) in portable applications. Provided in the small form factor 1.1mm x 1.4mm x 0.8mm W-DFN1114-3 package, the AP9060 is suitable for the latest generation battery-backed products including smart phones, tablets and ultra mobile PCs.

Supporting a wide battery charger output range of 3V to 30V, the device will pass the voltage through to the PMIC only up to a safe clamp voltage limit, factory set at 11V. AP9060's feedback loop maintains the clamped output voltage level by backing off the drive to its p-channel MOSFET switch. With an ultra low bias current, the device also minimizes self-heating, thereby further increasing product reliability.

In addition, AP9060's use of a very low resistance p-channel MOSFET as the pass element ensures that any EMI issues are removed. This is achieved by avoiding noise generation on the input supply circuit normally associated with the charge pump of alternative n-channel MOSFET solutions.

To increase its application flexibility, the AP9060 will also support reverse-current operation, allowing it to pass up to a maximum of 1A from the PMIC to a load connected to a USB port, therefore meeting the needs of USB On-The-Go (OTG) enabled products.

The AP9060 overvoltage clamp is a cost-effective alternative to larger and more complex combined overvoltage and overcurrent protection devices. For further information, visit the Company's website at www.diodes.com.

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, is a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic and analog semiconductor markets. Diodes serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, functional specific arrays, single gate logic, amplifiers and comparators, Hall-effect and temperature sensors; power management devices, including LED drivers, DC-DC switching and linear voltage regulators, and voltage references along with special function devices, such as USB power switches, load switches, voltage supervisors, and motor controllers. The Company's corporate headquarters, logistics center, and Americas' sales office are located in Plano, Texas. Design, marketing, and engineering centers are located in Plano; San Jose, California; Taipei, Taiwan; Manchester, England; and Neuhaus, Germany. The Company's wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with two manufacturing facilities located in Shanghai, China, another in Neuhaus, and two joint venture facilities located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in Fort Worth, Texas; Taipei; Hong Kong; Manchester; and Munich, Germany, with support offices located throughout the world. For further information, including SEC filings, visit the Company's website at <http://www.diodes.com>.

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