



## **Diodes Incorporated Introduces High Voltage Bridge-Configurable Diode Array that Tolerates Phone Line Transients**

**Dallas, Texas – January 7, 2010** – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete and analog semiconductor markets, today introduced a miniature quad switching diode array, the MMBD5004BRM, which was designed for bridge implementation and ideally suited for Modem (Modulator-demodulator) tip/ring interface and general light duty offline rectification applications.

Designed for bridge implementation, this device eases interface to telephone tip/ring applications and complies with the FCC (telco) polarity requirements. The device's high-voltage rating (400V) provides adequate margin over the maximum ringing voltage specified by the FCC and provides excellent tolerance to line transients. The MMBD5004BRM's miniature form factor SOT26 packaging helps enable cost and space savings in DSL, analog and DAA (Direct Access Arrangement) Modems, as well as answering machines and caller identification systems.

The diode array's combination of fast switching speed and low junction capacitance makes it ideal for preserving high-speed signal integrity while its high current rating of 225mA continuous and 625mA peak provides a healthy margin for general light duty rectification applications.

A smaller quad diode implementation than many existing mini-bridge solutions, the MMBD5004BRM comes in a space-saving SOT26 package. Housing two separate pairs of series connected diodes for linking as a full-wave bridge rectifier, the diode array will suit applications where PCB size and cost are critical.

For more information, please visit the Company's website at <http://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 and analog semiconductor markets, serving the consumer electronics, computing, communications, industrial and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, functional specific arrays, amplifiers and comparators, Hall-effect sensors and temperature sensors, power management devices including LED drivers, DC-DC switching regulators, linear voltage regulators and voltage references along with special function devices including USB power switch, load switch, voltage supervisor and motor controllers. The Company's corporate headquarters are located in Dallas, Texas. A sales, marketing, engineering and logistics office is located in Westlake Village, California. Design centers are located in Dallas; 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 a joint venture facility located in Chengdu, China. Additional engineering, sales, warehouse and logistics offices are located in 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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