For Immediate Release

Diodes Incorporated Introduces OR'ing Controller That Raises Reliability of Shared Power Systems

Dallas, Texas – March 17, 2009 –-- Diodes Incorporated (NASDAQ:DIOD), a leading global manufacturer and supplier of application specific standard products within the broad discrete and analog semiconductor markets, today announced an active OR'ing controller chip, enabling shared power system designers to replace heat-dissipating blocking diodes with high efficiency MOSFETs. The ZXGD3102 ensures cool running, low maintenance and high reliability operation in up-time critical telecom, server and mainframe applications.

The high heat dissipated by Schottky blocking diodes, traditionally used to protect a load from faulty power supplies, relates directly to the hefty 0.5V forward voltage drop. Replacing the diodes with low on-resistance MOSFETs, which have typical forward voltages of under 100mV, means that power dissipation is greatly reduced. The ZXGD3102 is specifically designed to control MOSFETs in high-reliability N+1 redundant power systems.

Sinking a peak turn-off current of 5A, the controller's gate drive is able to achieve a typical MOSFET turn-off time of 160ns, ensuring the rapid load protection that is needed to avoid any variation in bus voltage in the event of a power supply failure and hot-swapping. To meet the fault handling requirements, turn-on time can be adjusted to enable a smooth handover between supplies. The ZXGD3102's input voltage blocking capability is 180V.

The ZXGD3102 is housed in the compact SM8 package and requires a minimal external component count. The ZXGD3102 uses a 5 to 15V low-current bias rail, which is easily derived using a miniature zener diode.

About Diodes Incorporated

Diodes Incorporated (NASDAQ: DIOD), an S&P 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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Mike Townson
Bipolar Transistor Marketing Manager
Diodes Incorporated
P: +44 (0) 161 622 4456
E: Mike_Townson@eu.diodes.com

Shelton Group
Leanne K. Sievers
Investor Relations
P: 949-224-3874
E: lsievers@sheltongroup.com