



Immediate Release

Diodes Incorporated Announces World's Smallest Self-Protected MOSFET

Addition to IntelliFET™ Product Range Reduces Board Space by 85%

Dallas, Texas – December 16, 2008 --- Adding to its IntelliFET™ product range, Diodes Incorporated has introduced the world's smallest fully self protected low side MOSFET. Packaged in the 2.3mm x 2.8mm footprint 'flat' SOT23F package, the ZXMS6004FF takes 85% less board space than incumbent 7.3mm x 6.7mm footprint SOT223 packaged parts.

Despite its miniature format, the SOT23 flat package has superior thermal performance that enables the ZXMS6004FF to deliver a package power density three times that of its much larger packaged counterpart. Additionally, with an on-state resistance of just 500mΩ, this latest IntelliFET™ also ensures that power dissipation is kept to an absolute minimum.

Integrating ESD, over voltage, over current and over temperature protection into a single thermally efficient package, the ZXMS6004FF protects both itself and the load and will help to reduce component count, pcb size and overall system cost in a range of automotive and industrial applications. The device's ultra small form factor will also enable space-restricted applications to integrate self-protected MOSFETs for the very first time.

The device has a continuous current rating of 1A and is qualified to the AECQ101 standard, being tolerant of 60V load dump transients. With a logic level input of either 3.3V or 5V, the ZXMS6004FF can be driven directly from microcontroller outputs.

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 has its corporate offices in Dallas, Texas, with a sales, marketing, engineering and logistics office in Southern California; design centers in Dallas, San Jose, Taipei, England and Germany; wafer fabrication facilities in Kansas City, Missouri and Manchester, England; two manufacturing facilities in Shanghai, China, one in Neuhaus, Germany and a joint venture facility in Chengdu, China; engineering, sales, warehouse and logistics offices in Taipei, Hong Kong and Manchester, England, and sales and support offices throughout the world. For further information, including SEC filings, visit the Company's website at <http://www.diodes.com>.

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