



FOR IMMEDIATE RELEASE

Diodes Incorporated Introduces Line of 3 & 5 Amp Powermite®3 Schottky Barrier Rectifiers

- *Compact, thermally superior replacement for SMC and D-Pak parts*

Westlake Village, California – October 23, 2002 – Diodes Incorporated, (Nasdaq: [DIOD](#)) a leading manufacturer and supplier of high quality discrete semiconductors, today announced the release of a comprehensive line of three Ampere and five Ampere Powermite®3 Schottky barrier rectifiers.

The new Powermite®3 Schottky barrier line, which uses patented packaging technology licensed from Microsemi, Inc. (Nasdaq: MSCC), will be manufactured at Diodes' state-of-the-art facilities in Mainland China. Diodes' Powermite®3 parts offer a significant reduction in required board space and superior thermal performance as compared to industry-standard SMC and D-Pak packages.

The Powermite®3 package has a very low profile of only 1.1mm, which allows it to be used in many portable applications in which the 2.3mm profile of SMC and D-Pak is prohibitive. In addition, the Powermite®3 package requires approximately half the board space of the SMC and only 40% of the D-Pak. This gives the Powermite®3 package a high Power Density value of 55mW/mm², which is over double the values for D-Pak or SMC.

“This new line illustrates Diodes' continued expansion into next-generation discrete technologies and the benefits of our vertical integration strategy. By applying Powermite®3 packaging to broad-based devices, we expect to deliver major performance improvements for applications where space is at a premium, such as notebooks, battery chargers, GPS units, TFT-LCD panels, quarter-brick and half-brick power supplies,” said Mark King, Vice President of Sales and Marketing at Diodes Incorporated.

The 3 Amp series consists of:

- SBM340, a 40-volt device
- MBRM360, a 60-volt device
- MBRM3100, a 100-volt device

The 5 Amp series consists of:

- SBM540, a 40-volt device
- MBRM560, a 60-volt device
- MBRM5100, a 100-volt device

“Shrinking power components is the next phase of discrete miniaturization, and the addition of these devices gives Diodes the most comprehensive 3 and 5 Amp surface-mount Schottky barrier rectifier product line in the discrete semiconductor industry,” continued King. “Our strategy is to develop devices that add value for high-end, high-performance applications but are also competitive for broader, high-volume markets. Our flexible, low-cost manufacturing allows us to execute our strategy and meet customer needs.”

Many additional new Powermite®3 products are currently under development and are scheduled for release soon, including dual Schottky barrier rectifiers, high-voltage low-leakage Schottky barrier rectifiers, and ultra-fast and standard recovery glass passivated rectifiers.

For more information, visit <http://www.diodes.com> or contact Diodes’ customer service at 800-446-4874 or email at info@diodes.com.

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD) is a leading manufacturer and supplier of high-quality discrete semiconductor products, serving the communications, computer, industrial, consumer electronics and automotive markets. The Company operates three Far East subsidiaries, Diodes-China (QS-9000 and ISO-14001 certified) in Shanghai, Diodes-Taiwan (ISO-9000 certified) in Taipei, and Diodes-Hong Kong. Diodes-China’s manufacturing focus is on subminiature surface-mount devices destined for wireless devices, notebook, flat panel display, digital camera, mobile handset, set top box, DC to DC conversion, and automotive applications, among others. Diodes-Taiwan is our Asia-Pacific sales, logistics and distribution center. Diodes-Hong Kong covers sales, warehouse and logistics functions. The Company’s 5” wafer foundry, Diodes-FabTech (QS-9000 certified), specializes in Schottky products and is located just outside Kansas City, Missouri. The Company’s ISO-9000 corporate sales, marketing, engineering and logistics headquarters is located in Southern California. For further information, visit the Company’s website at <http://www.diodes.com>.

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POWERMITE is a registered trademark of Microsemi Corporation.

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CONTACT: Crocker Coulson, Partner, Coffin Communications Group;
(818) 789-0100 e-mail: crocker.coulson@coffincg.com or Carl Wertz, Chief Financial Officer,
Diodes, Inc.; (805) 446-4800

Recent news releases, annual reports, and SEC filings are available at the Company’s website:
<http://www.diodes.com>. Written requests may be sent directly to the Company, or they may be e-mailed to: diodes-fin@diodes.com.

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