



Diodes Incorporated Announces Process Platform for Next Generation High Voltage Rectifiers

Dallas, Texas –September 15, 2010 – 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 development of a proprietary process platform for the manufacture of next generation high voltage rectifiers. Named DIODESTAR™, the process has been developed at Diodes' wafer fabrication facility in Oldham, UK and has just delivered its first device, a high efficiency 600V, 8A rectifier targeted at LCD-LED TV power supplies.

The DIODESTAR process draws on Diodes' combined expertise in both bipolar and MOSFET semiconductor technologies and is characterized by high voltage handling, soft recovery and ultra fast switching. The process will support the production of a range of high voltage rectifier products for a variety of end applications, including LCD-LED TVs, notebook and desktop computers.

Dr. Keh-Shew Lu, President and Chief Executive Officer of Diodes Incorporated, said, "The pressure from legislative directives and green initiatives, such as Energy Star, to improve efficiency has been building rapidly, and rectifier technology has taken a significant leap forward. The DIODESTAR process enables rectifiers that switch smoothly and at high speed, meaning designers can meet these high efficiency demands."

The first DIODESTAR product to be released is the DSR8V600, a 600V 8A rated rectifier, tailored for use as the boost diode in the power factor correction (PFC) circuits of single and dual stage switched mode power supplies (SMPS) up to 1,000W.

Optimized for PFC duties in continuous and boundary conduction mode, this family of rectifiers will offer best in class soft recovery with ultra fast switching capability ($T_{RR} < 30\text{ns}$), meeting the requirements of the 80 Plus Energy Star standard for SMPS. For more 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 Dallas, Texas. Design, marketing, and engineering 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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Company Contact:

Diodes Incorporated
Francis Tang
VP, Worldwide Discrete Products
P: 972-385-2810
E: pressinquiries@diodes.com

Investor Relations Contact:

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