



Diodes Incorporated Increases Performance of Schottky Diodes by as Much as 20%

Plano, Texas – July 12, 2017 – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic, analog and mixed-signal semiconductor markets, today introduced the SDT series of Schottky diodes. Using an advanced deep-trench process, these devices deliver superior performance at similar or lower cost to planar-type Schottky diodes. The initial family of 29 devices, housed in thermally-efficient packages, provides the blocking, free-wheeling, flyback and other diode functions commonly found in a wide range of applications, such as AC-DC chargers/adapters, DC-DC up/down conversion, and AC LED lighting.

Diodes' innovative deep-trench process enables the SDT series of Schottky diodes to achieve a forward voltage (VF) as low as 0.62V along with a leakage current of just 3.5 μ A. This exceptional performance results in outstanding power efficiency and contributes to smaller form-factors for end-system designs. Within the family, maximum average rectified current ratings from 5A to 40A are offered, with peak repetitive reverse voltages (VRRM) up to 120V and forward surge currents (IFSM) as high as 280A, ensuring robust system operation across the full temperature range.

PowerDI[®]5, TO220AB, and ITO220AB package options all offer excellent thermal transfer properties that allow the SDT series Schottky diodes to perform reliably in demanding applications. These packages are well-suited for high-volume manufacturing and also allow the SDT parts to be used as drop-in replacements for generic planar-type Schottky diodes. Further information is also be available at www.diodes.com.

PowerDI is a registered trademark of Diodes Incorporated.

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, analog and mixed-signal semiconductor markets. Diodes serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, function-specific arrays, single gate logic, amplifiers and comparators, Hall-effect and temperature sensors, power management devices, including LED drivers, AC-DC converters and controllers, 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. Diodes' corporate headquarters and Americas' sales office are located in Plano, Texas and Milpitas, California. Design, marketing, and engineering centers are located in Plano; Milpitas; Taipei, Taiwan; Taoyuan City, Taiwan; Zhubei City, Taiwan; Manchester, England; and Neuhaus, Germany. Diodes' wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with an additional facility located in Shanghai, China. Diodes has assembly and test facilities located in Shanghai, Jinan, Chengdu, and Yangzhou, China, as well as in Hong Kong, Neuhaus and Taipei. Additional engineering, sales, warehouse, and logistics offices are located in Taipei; Hong Kong; Manchester; Shanghai; Shenzhen, China; Seongnam-si, South Korea; and Munich, Germany, with support offices throughout the world.

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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