



For immediate release

Advanced-Trench Super-Barrier Rectifiers from Diodes Incorporated Deliver Best-in-Class Efficiency

Plano, Texas – January 19, 2016 – 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 introduced the SBRTF40U100CT and SBRTF40U100CTFP. These 40A rectifiers employ proprietary super-barrier trench technology to significantly reduce power loss and lower operating temperature. When used as output rectifiers in power adapters and quick chargers for smart phones, tablets and flat-panel TVs, these devices can improve efficiency by up to 2% while reducing operating temperature by up to 10°C.

Various features contribute to lowering the overall power dissipation of the SBRTF40U100CT and SBRTF40U100CTFP rectifiers, either enabling cooler running new applications or avoiding the expensive rework of proven designs that need to meet more stringent temperature limits. An ultra-low forward-voltage drop of just 0.27V (at a forward current of 2A) reduces power loss while a low reverse-leakage current (0.5mA maximum at 100V reverse voltage) improves energy efficiency, especially at higher operating temperatures.

The SBRTF40U100CT and SBRTF40U100CTFP devices are each capable of delivering a high average rectified output current of 40A. Additionally, their high forward-surge current capability of up to 200A enables them to endure high, short-duration, non-repetitive peak currents. These rectifiers are also avalanche rugged with a rating of 340mJ. Consequently, they can comfortably withstand the unclamped switching events generated by inductors and other wound components.

The SBRTF40U100CT and SBRTF40U100CTFP are offered in a regular 3-terminal TO220AB package and also the isolated-tab ITO220AB package. For further 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, 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. Design, marketing, and engineering centers are located in Plano; San Jose, California; Taipei, Taiwan; Manchester, England; and Neuhaus, Germany. Diodes' wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with two additional facilities located in Shanghai, China. Diodes has assembly and test facilities located in Shanghai and in Chengdu, China, as well as in Neuhaus and in 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. For further information, including SEC filings, visit Diodes' website at www.diodes.com.

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