



High-Voltage Regulator Transistor Reduces Footprint to Deliver 5V Supply for Microcontrollers

Plano, Texas – March 12, 2015 – 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 ZXTR2105F. This regulator monolithically integrates a transistor, Zener diode and resistor to provide a 5V 15mA output from inputs up to 60V. Offered in a small SOT-23 package, the ZXTR2105F transistor reduces component count and minimizes PCB area in microcontroller applications, such as DC cooling fans for PCs and servers, as well motor drive, blowers and sensor applications in industrial and automotive market segments.

The ZXTR2105F is designed to replace three discrete components, and when typically used to produce a stable supply of between 4.7V and 5.3V from 12V or 24V inputs, not only minimizes the solution footprint but also increases system power density and reliability. The device's 60V maximum input rating ensures sufficient headroom in the event of transient over-voltage conditions, while its excellent line and load regulation safeguards continuous operation by ensuring transient voltage drops cannot cause latch-up, which further contributes to system reliability. Further information is available 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 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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