



## **Voltage Reference from Diodes Incorporated Delivers High Stability at Low Power**

**Plano, Texas – March 28, 2014** – 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 ZXRE330. This 3.3V shunt voltage reference helps achieve improvements in both stability and power consumption for portable instrumentation and battery-powered equipment such as notebook computers. Pin-compatible with industry-standard parts, the ZXRE330 is offered in surface-mount SOT23 and through-hole TO92 package options.

With a typical temperature coefficient as low as 20ppm/°C, this precision micropower device provides highly stable performance across an industrial operating temperature range of -40°C to +85°C. Output voltage tolerance is tight:  $\pm 2\%$  at +25°C for the ZXRE330E and  $\pm 0.5\%$  at +25°C for the ZXRE330A.

The ZXRE330's low power performance is a result of its very low knee current of 1 $\mu$ A typical with excellent performance maintained over the device's full operating current range of 2 $\mu$ A to 5mA.

The ZXRE330 reference has also been designed to be highly tolerant of capacitive loads and requires no output capacitor. In addition, its low output noise performance of 55 $\mu$ V<sub>RMS</sub> ensures a clean output from 10Hz to 10kHz. For further information, visit the Company's website at [www.diodes.com](http://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 four manufacturing facilities located in Shanghai, China, and two joint venture facilities located in Chengdu, China, as well as manufacturing facilities located in Neuhaus and Taipei. Additional engineering, sales, warehouse, and logistics offices are located in Fort Worth, Texas; Taipei; Hong Kong; Manchester; Shanghai; Shenzhen, China; Seongnam-si, South Korea; Suwon, South Korea; Tokyo, Japan; and Munich, Germany, with support offices throughout the world. For further information, including SEC filings, visit Diodes' website at <http://www.diodes.com>.

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