



*For immediate release*

## **Micro-Power Voltage Detector from Diodes Incorporated Monitors Power Supplies in Computers and Digital Systems**

**Plano, Texas – July 13, 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 APX803L. This micro-power voltage detector is designed to support the supervisory circuits of microprocessors and microcontrollers by enabling accurate monitoring of voltage levels and will generate a reset signal whenever a supply rail falls below a defined threshold. This function is required by many systems such as computers, communications equipment, and portable battery-powered devices. The APX803L's low quiescent current also makes it very attractive when appliances like televisions are operating in standby mode.

Offered in a detection voltage level range of 1.2V to 5.0V in 0.1V steps, the APX803L provides a threshold accuracy of  $\pm 1.5\%$ , while consuming just  $1\mu\text{A}$  and requiring no external components. Whenever the monitored VCC power supply rail drops below the chosen threshold, the APX803L asserts a reset signal within  $20\mu\text{s}$  that is held until the supply rail recovers to a level above the threshold. The device's reset pin provides an open-drain, active-low output with device ordering options that allow for delay times of 0ms, 55ms, 220ms, or 450ms.

The APX803L is available in 3-pin SOT23, SOT323, and SC59 packages, as well as a 5-pin SOT25 package, and supports drop-in replacements and original designs. Further information is available 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, 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](mailto:diodes-fin@diodes.com).

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