



*For immediate release*

## **Ultra-Low-Current LDO from Diodes Incorporated Handles Loads up to 150mA with 1% Accuracy**

**Plano, Texas – March 9, 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 AP7350. This low dropout voltage regulator (LDO) is available with output voltages from 1.2V to 3.3V, supporting load currents up to 150mA. The AP7350 targets low-power, handheld and wearable device applications. Its ultra-low quiescent current of just 0.25 $\mu$ A and 1% accuracy enable designs to achieve extended battery life while a chip-scale package just 0.64mm square occupies the smallest possible board space.

The design of the AP7350 LDO recognizes two of the key requirements inherent in the multitude of new sensing applications that are contributing to growth of the Internet of Things (IoT). These are the need for low power consumption, since many devices will be battery-powered, and small size, to fit the often-constrained form factor designs typified by wearable devices. With a quiescent current of 0.25 $\mu$ A and a typical standby current of 20nA the AP7350 LDO enables low sampling rate system designs that can operate for years on a single coin cell battery. The miniature chip-scale package is between a quarter and half the size of competitive solutions, and has a low profile of just 0.34mm.

The AP7350 is offered with seven output voltages: 1.2V, 1.5V, 1.8V, 2.5V, 2.8V, 3.0V, and 3.3V. These address the voltage rail requirements of microcontroller, FPGA, other digital and analog ICs, and sensor circuits commonly found in low-power IoT applications. Output accuracy is 1% at room temperature and 1.5% over the full -40°C to +85°C operating temperature range. Further information is also 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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