



For immediate release

Wide Input Voltage Ultra-Low Quiescent Current Regulator from Diodes Incorporated covers 5V, 9V, 12V, and 24V Power Rails

Plano, Texas – December 19, 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 AP7381. Operating from a wide input voltage spanning 3.3V to 40V, this positive voltage regulator offers ultra-low quiescent current and high accuracy, making it well-suited for use in a variety of applications ranging from USB and portable devices to energy meters and home automation.

The AP7381 is offered with fixed output voltages of 3.3V or 5V to power standard logic device supplies and I/O levels and can operate from an input voltage between 3.3V and 40V, which covers most common system power rails. The device provides excellent line and load regulation and features a low dropout voltage of typically 1000mV for a 3.3V output device operating at an output current of 100mA. An internal voltage reference ensures output accuracy at room temperature is maintained within $\pm 2\%$.

A low quiescent current of just 2.5 μ A minimizes standby power in low-power systems and extends the life of battery-operated products. The AP7381 has a built-in current limit and an over-temperature protection (OTP) function and also features over-current protection, provided by an internal current limit circuit.

The AP7381 is available in a SOT89 package (on tape & reel) and in a TO92 package (ammo packed). 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, 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.

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