



Load Switch from Diodes Incorporated Enhances System Power Control

Plano, Texas – January 6, 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 a 5V single-channel load switch with programmable soft-start and discharge rate. The ultra-low on-resistance AP22800 N-channel switch reduces volt drop and power dissipation and offers continuous current handling of 6.0A, providing tighter regulation of system power delivery in ultrabooks and tablets.

Simple to program, the device's start-up and discharge rates are set using an external capacitor and external resistor, respectively. The load switch also provides an open-drain 'power-good' output flag to signal target output voltage has been achieved.

The AP22800 is designed to operate from 1.5V to 5V, giving it the flexibility to support 1.8V, 2.5V, 3.3V and 5V system rails. Its quiescent current is also low at 21 μ A, making it well-suited for cell-backed distributed power systems, where power conservation is vital.

To help increase power density, the load switch is provided in the thermally efficient, low-profile DFN2116-8, which features a footprint of only 3.36mm². 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, logistics center, 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 more located in Shanghai, China. In addition, two assembly-test facilities are located in Shanghai; two are located in Chengdu, China, with one in Neuhaus and one in 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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