



For immediate release

Resettable Electronic Fuse from Diodes Incorporated Protects Hot-Plug Computer Peripherals from Fault Conditions

Plano, Texas – October 28, 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 the AP91352. This electronic fuse provides protection from fault conditions that could result in catastrophic equipment failure. It targets applications in consumer products such as plug-and-play hard disk drives, solid-state drives and similar hot-plug computer applications, as well as manufacturers of motherboards, printers and servers.

The AP91352 provides undervoltage lockout, overvoltage clamp, thermal shutdown and reverse-current protection for downstream power components to prevent damage and premature component failure. A further key benefit of the AP91352 is its operation as a resettable fuse that allows the protected application to restart after the fault condition has cleared. This enhances overall system reliability and reduces the number of field returns of the end product.

The protection capability of the AP91352 is enhanced with a wide, stable operating voltage from 3.6V to 12V. Power losses are reduced with an integrated NMOS power device that has a low typical $R_{DS(ON)}$ of 50m Ω and through the use of an internal current limit circuit that avoids the voltage drop which results from having an external current sense resistor in the load path.

The AP91352 is offered in a small, standard pinout, low-profile W-DFN3020-12 package that reduces application footprint. 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 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 additional facilities located in Shanghai, China. Diodes has assembly and test facilities located in Shanghai and in Chengdu, China, as well as in Neuhaus and in 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. For further information, including SEC filings, visit Diodes' website at www.diodes.com.

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