



Resettable Fuse from Diodes Incorporated Enhances System Reliability

Plano, Texas – December 19, 2013 – 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 NIS5132 resettable electronic fuse . This device is suitable for hot plug consumer and industrial products, including external disks, printers and servers, helping to raise power system reliability by protecting against shutdown and catastrophic failures. By allowing a product to restart, the device enables a reduction in unnecessary field returns.

Operating over a wide input voltage range from 9V to 18V, and provided in the small, low-profile DFN3030-10 package, the 3.6A-rated NIS5132 integrates a low on-resistance NMOS buffer and an internal current limit. With the buffer's typical $R_{DS(ON)}$ of only 30m Ω and with no need for an external sense resistor in the load path, the device minimizes voltage drop and power loss.

To fully safeguard downstream power components from damage or premature aging, the fuse's protection features include under-voltage lockout, turn-on ramp control, current-limit and thermal shutdown circuits. The thermal shutdown can be either latching type (NIS5132MN1) or auto-retry type (NIS5132MN2). For further information, visit the Company's website 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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