



ESD and Surge Protector from Diodes Incorporated Offers Optimal Protection and Easy Inspection

Plano, Texas – September 29, 2014 – 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 introduces an automotive-quality graded ESD and surge protector offering improved protection, greater reliability and easier inspection during manufacturing compared to Zener-based and varistor devices.

Protecting CAN and LIN two-wire communications busses in automobiles from voltage transients is critical to their reliability and safety. The D24V0L1B2LPSQ is a low-capacitance, 15pF device with 0.2 Ω dynamic resistance that provides sharper triggering than Zener diodes or varistors to provide a superior protection solution. The tiny DFN1006-S-packaged automotive-grade component (AECQ101-qualified, supported by PPAP traceability) is also the first of its type to feature sidewall plating, sometimes known as 'wetable flanks'. This means that the package sidewall is tin plated, allowing a solder fillet to be formed. The solder fillet can then be optically inspected, eliminating the need for slow and expensive X-ray inspection during PCB assembly. Furthermore, the DFN1006-S package footprint is compatible with that of the SOD923 package.

With a rated standoff voltage of 24V, the D24V0L1B2LPSQ will withstand air discharge and contact electrostatic discharges of up to 30kV, far exceeding the requirements of the IEC61000-4-2 standard. 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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Company Contact:

Diodes Incorporated
Francis Tang
VP, Worldwide Discrete Products
P: 972-987-3900
E: pressinquiries@diodes.com

Investor Relations Contact:

Shelton Group
Leanne K. Sievers
EVP, Investor Relations
P: 949-224-3874
E: lsievers@sheltongroup.com