



For immediate release

Industry-First 1800W Auto-Compliant Transient Voltage Suppressor Launched by Diodes Incorporated at Embedded World 2017

Nuremberg, Germany – March 14, 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 D28V0H1U2P5Q at Embedded World 2017. Billed as the industry's first unidirectional 1800W automotive-compliant transient voltage suppressor (TVS), this device is designed to protect sensitive electronic circuits from transients generated by inductive switching and targets a wide range of automotive applications, including pumps, HVAC (heating, ventilation & air-conditioning), infotainment, navigation, and Advanced Driver Assistance Systems (ADAS). Packaged in the thermally efficient PowerDI^{®5}, the D28V0H1U2P5Q features a reverse stand-off voltage of 28V and low reverse leakage while being able to dissipate up to 1800W of power per 10/1000µs transient, which is 20% higher than comparable solutions.

Diodes' new TVS is uniquely capable of handling peak pulse currents up to 40A, 25% higher than similar SMC packaged parts. The D28V0H1U2P5Q is tested to guarantee compliance with the automotive load dump standard ISO7637-2 (pulses 1, 2a, 2b, 3) and the transient surge requirements of IEC 61000-4-5. The device is also compliant with the EMC requirements of IEC 61000-4-4 and the electro static discharge requirements (ESD) of IEC 61000-4-2.

The D28V0H1U2P5Q occupies a PCB area that is 40% smaller than that of a comparable TVS packaged in the industry-standard SMC package. Furthermore, it has a profile above the board that is 50% lower than that of SMC-packaged solutions.

Diodes is exhibiting in Booth 431 in Hall 3A at Embedded World 2017 in Nuremberg, Germany, March 14-16, and welcomes visitors to come and find out more about its exciting new products. Further information will also be 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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