



For immediate release

40V Automotive-Compliant MOSFETs from Diodes Incorporated Target Motor Control

Plano, Texas – March 10, 2016 – 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 DMTH4004SPSQ and DMTH4005SPSQ. Rated for operation up to +175°C, these 40V automotive-compliant MOSFETs are ideally suited for use in high ambient temperature environments. The DMTH4004SPSQ has been designed to meet the requirements of high-power (>750W) brushless DC motor (BLDC) applications, such as water and fuel pumps, while the DMTH4005SPSQ is suited to lower power BLDC applications, such as auxiliary pumps and heating, ventilation and air-conditioning (HVAC) systems.

Developed to meet the rigorous demands of three phase BLDC motor control applications, the DMTH4004SPSQ and DMTH4005SPSQ are 100% avalanche tested, ensuring a robust design that is able to withstand the high pulses of reverse avalanche energy that can occur with inductive loads. Furthermore, at a gate-source voltage of 10V, the DMTH4004SPSQ and DMTH4005SPSQ feature maximum on-state resistances of 2.7mΩ and 4mΩ, respectively, which together with their low gate charge ensures that power losses are kept to a minimum.

The efficiency of these MOSFETs is further enhanced by the low thermal resistance of the POWERDI®5060-8 package. This allows for a maximum junction temperature of 175°C ensuring that these MOSFETs are able to operate in high ambient temperature environments. 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, 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, California; 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, in Jinan, in Chengdu, and in Yangzhou, China, as well as in Hong Kong, 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.

On November 24, 2015, Diodes Incorporated acquired Pericom Semiconductor Corporation with headquarters in Milpitas, California, and with design centers and technical sales and support offices globally. Pericom enables serial connectivity with the industry's most complete solutions for the computing, communications, consumer and embedded market segments. Pericom's analog, digital and mixed-signal integrated circuits, along with its frequency control products are essential in the timing, switching, bridging and conditioning of high-speed signals required by today's ever-increasing speed and bandwidth demanding applications.

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