



For immediate release

Best-in-Class Active OR'ing MOSFET Controller from Diodes Incorporated Supports Power Supplies up to $\pm 400V$

Plano, Texas – April 13, 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 ZXGD3112N7. Extending the capability to support redundancy power systems with rail voltages up to $\pm 400V$, this active OR'ing MOSFET controller builds on a successful design employed in previous 40V and 200V devices. A low turn-off threshold voltage enables very low RDS(on) MOSFETs to operate as ideal diodes, providing a highly efficient power system that is well-suited for target applications in telecoms systems, data centers and servers, where OR'ing two or more power supplies together provides redundancy.

Recognizing the trend towards using higher system voltages to raise power distribution efficiency, the ZXGD3112N7 also contributes to increased system reliability, since its use in conjunction with low RDS(on) MOSFETs allows operation at lower temperatures compared to the alternative of a Schottky-blocking diode. In addition to increasing system efficiency, its turn off threshold voltage of $<5mV$ improves light-load stability, while the ability to turn off in $<600ns$ avoids reverse current flow and prevents a voltage drop on the common rail. A 5A sink current ensures a fast discharge of the gates of paralleled MOSFETs.

With its best-in-class turn-off threshold voltage and a 400V rating that is four times that of competitive OR'ing controllers, the ZXGD3112N7 excels in efficiency, reliability and stability over the entire load range.

The ZXGD3112N7 is offered in an SO-7 package. 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; 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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