



For immediate release

LED Driver Controller from Diodes Incorporated Handles More Demanding Lighting Applications

Plano, Texas – February 2, 2012 – 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 announced the ZXLD1371 LED driver controller. By extending input voltage operation from 60V down to as low as 5.0V, the ZXLD1371 has been designed to handle as broad a range of applications as possible, including those subject to the greatest variance in input voltage, such as automotive lighting and 12V AC powered systems. Its ability to control an external driver FET in buck, boost and buck-boost driver topologies makes it an all-in-one solution, capable of driving as many as 20 high-current LEDs in boost mode with a high level of accuracy.

Employing patent pending control loops and single resistor high-side current sensing, the ZXLD1371 will deliver a typical output current tolerance of 1%, helping to produce improvements in brightness control and lamp luminance matching. The LED driver controller offers users dimming over a wide dynamic range, through separate 20:1 DC dimming and 1000:1 PWM dimming options, resulting in higher accuracy light control particularly at lower brightness levels.

To further improve the reliability of LED lamp systems, the ZXLD1371 provides thermal management of LEDs via a dedicated external thermistor input, which combined with fault diagnostic outputs reporting LED load and driver status, helps to increase LED longevity. Switching at up to 1MHz, the TSSOP-16EP packaged LED driver controller will also help minimize circuit size by reducing the value of the external inductor. 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, 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. The Company's 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. The Company's wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with two manufacturing facilities located in Shanghai, China, another in Neuhaus, and two joint venture facilities located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in Fort Worth, Texas; Taipei; Hong Kong; Manchester; and Munich, Germany, with support offices located throughout the world. For further information, including SEC filings, visit the Company's website at <http://www.diodes.com>.

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