



60V/1A Buck LED Driver from Diodes Incorporated adds Dimming for Commercial Lighting

Plano, Texas – March 13, 2018 – 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 announced the AL8862. Featuring a wide input voltage range and integrated power MOSFET, this buck LED driver is well-suited for developers of LED lighting circuits looking to minimize board space and reduce BoM cost, while maintaining excellent analog and PWM dimming functions. With a typical output current accuracy of 5% at up to 1A and 97% efficiency, the AL8862 can operate from an input voltage range between 5V and 60V, making it suitable for commercial, industrial, or architectural lighting. Its small profile also means it can be used in appliances of all sizes.

An external control pin accepts either an analog or PWM signal to add dimming capabilities, which brings an additional dimension, such as color mixing, to connected lighting. The integrated MOSFET is rated at 60V, making the AL8862 a viable solution for higher power output applications. Leveraging Diodes Incorporated's proprietary technology, the MOSFET also has an ultra-low $R_{DS(ON)}$ of just 0.4Ω , which delivers high efficiency while minimizing the need for external components. Comprehensive protection against possible fault conditions caused by short or open circuits is also included, along with over-temperature protection.

The AL8862 is supplied in a thermally enhanced, space-saving SO-8EP package. 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, 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 also has timing, connectivity, switching, and signal integrity solutions for high-speed signals. 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 facility is located in 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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