



For immediate release

Adjustable Current Regulators from Diodes Incorporated Simplify the Driving of LED Strips

Plano, Texas – December 08, 2015 – 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 BCR420U and BCR421U. These constant-current regulators (CCR) provide a simple means of driving low-power linear LED strips. Target applications are those that benefit from the improved efficiency, flexibility and longer life offered by LEDs as an emerging lighting source. These include LED strips for mood lighting, emergency and advertising signage, and decorative lighting for retail refrigeration and vending machines.

The BCR420U and BCR421U allow an optimized LED current to be set giving a uniform brightness and extend the LED longevity. Supporting adjustable currents from 10mA to 350mA allows for platform designs based on a single device to be used across multiple LED string applications, considerably easing a manufacturer's overall qualification process. These LED drivers also enhance system reliability as the monolithic integration of a transistor, diodes and resistors both simplifies system design and reduces component count.

A negative temperature coefficient, which reduces the output current as the temperature increases, allows current sharing between two or more of these CCR devices. This enables them to be connected in parallel to create a higher current output without risk of thermal runaway. The 40V maximum input rating provides sufficient headroom for transient supply voltages and allows for LED short failures on long strings. With its low-side driver configuration, the BCR421U has the added feature of an enable function that can adjust the light output level using a PWM input signal. Both devices are supplied in SOT26

packages, providing pin-compatibility with other sources. 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 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, 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. Design, marketing, and engineering centers are located in Plano; San Jose, California; Taipei, Taiwan; Manchester, England; and Neuhaus, Germany. Diodes' wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with two additional facilities located in Shanghai, China. Diodes has assembly and test facilities located in Shanghai and in Chengdu, China, as well as in 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. For further information, including SEC filings, visit Diodes' website at www.diodes.com.

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