



Adjustable LDO from Diodes Incorporated Increases Design Flexibility

Plano, Texas – April 9, 2014 – 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 AZ2085 adjustable LDO. Featuring a minimum load current of just 1mA, a maximum of 3A and an adjust pin current of only 6 μ A, this LDO regulator handles a far wider range of applications than alternative DC linear voltage regulators.

The device's dropout voltage is typically 1.2V at the full 3A load current, supporting point of load duties with input voltages from 15V down to 2.5V. Applications which benefit from the device's improved minimum load currents and lower dropout voltage include motherboards, telecom equipment and STB power supplies.

Output voltage is set using a pair of external resistors, with the AZ2085's ultra-low adjust pin current enabling designers to employ larger resistors without adversely affecting tolerance. Design flexibility is further enhanced by the device's compatibility with low ESR ceramic capacitors.

With its maximum specification in load and line regulation of 0.3% and 0.2%, respectively, this TO252 packaged LDO offers designers a high degree of stability under extreme conditions of change in either input voltage or load. Integral current limiting and thermal protection circuits guard against excessive junction temperatures. 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, 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 four manufacturing facilities located in Shanghai, China, and two joint venture facilities located in Chengdu, China, as well as manufacturing facilities located in Neuhaus and Taipei. Additional engineering, sales, warehouse, and logistics offices are located in Fort Worth, Texas; Taipei; Hong Kong; Manchester; Shanghai; Shenzhen, China; Seongnam-si, South Korea; Suwon, South Korea; Tokyo, Japan; and Munich, Germany, with support offices throughout the world. For further information, including SEC filings, visit Diodes' website at <http://www.diodes.com>.

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