



For immediate release

Diodes Incorporated Announces Space Saving Buck Converter

Dallas, Texas –July 15, 2010 --- 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 has introduced the AP5101 buck converter. Operating at a fixed switching frequency of 1.4MHz, this 1.5A rated buck converter enables designers to reduce circuit footprints in a range of products including set top boxes, modems, and distributed power systems.

The reduction in size of the inductor and other standard external components resulting from the higher operating frequency, combined with the converter's compact SO-8 packaging and integrated low $R_{DS(ON)}$ power MOSFET switch, means significant board space savings can be achieved. Minimized external component count also provides increased flexibility in circuit design.

Characterized by its very low series resistance, the AP5101 delivers a constant output current up to a peak of 1.5A for efficiency as high as 92%, over a wide input supply range of 4.75V to 22V. Fast transient response eases loop stabilization requirements and the output is adjustable from 0.81V to 15V.

The AP5101 is self-protected through cycle-by-cycle current limiting and thermal shut down protection, ensuring long term product reliability. The converter has an enable pin allowing it to be switched off into a standby mode, consuming just 0.1 μ A. For more 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 Dallas, Texas. Design, marketing, and engineering centers are located in Dallas; 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 a joint venture facility located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in 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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