



For immediate release

Buck Converter from Diodes Incorporated Raises Portable Efficiency

Plano, Texas – June 02, 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 AP3403. Achieving typical efficiencies greater than 95%, this miniature step-down DC-DC converter helps lengthen the battery lifetime of smartphones and other low-voltage portable products. The AP3403 is a synchronous PWM converter that drives a load at up to 600mA, maintaining high efficiency through a configuration of external resistor, capacitor and inductor components.

To support mini Li-Ion battery operation, the input voltage range is low at 2.7V to 5V, with no-load current being only 34 μ A. The buck converter ensures excellent line and load regulation and employs current mode control to deliver fastest possible transient response and cycle-by-cycle current limit.

By operating at a ripple-reducing fixed 2MHz, the AP3403 is able to help reduce the cost and size of external circuit components, while its ultra-small, thermally efficient U-DFN1616 package further aids a reduction in overall circuit footprint.

The converter's output voltage range of 0.7V to 5.5V makes it easily configurable to application requirements. System integrity is maintained by a comprehensive array of built-in features that include under-voltage lockout, over-temperature protection, hiccup mode short-circuit protection, and soft-start functionality. 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 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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