



## **Low Dropout Regulator from Diodes Incorporated Saves Space in Portable Applications**

**Plano, Texas – June 17, 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 AP7341, a 300mA-rated low dropout regulator in the miniature DFN1010-4 package. With a tiny 1.0mm x 1.0mm footprint and height of 0.4mm, the device aids in the design of high-density circuits in portable products, including smart phones, media players and compact cameras.

The regulator's high power supply ripple rejection ratio of 75dB and low noise performance of 60 $\mu$ Vrms makes it particularly attractive in more noise-sensitive audio, video and RF communications applications. The AP7341's output accuracy is also high, maintained at 1.5% over the temperature range -40°C to +85°C. Output voltage is fixed at 0.1V steps between 1.1V and 3.3V.

Operating over the wide 1.7V to 5.25V input voltage range, the regulator is able to support Li+ battery cells over their full battery charge and discharge cycle. At 35 $\mu$ A, the device's quiescent current is very low, helping to extend standby and operating times. In addition, an enable input allows the output to be turned off if required. For further information, visit the Company's website at [www.diodes.com](http://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 an assembly and test facility located in Shanghai, in Chengdu, China, as well as in Neuhaus and in 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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