



Dual 150mA LDO Regulator from Diodes Incorporated Offers Low Noise and Small Size for Battery-Powered Portable Equipment

Plano, Texas – May 05, 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 AP7342. This low dropout regulator (LDO) delivers dual 150mA outputs with high 1% voltage accuracy from a wide 1.7V to 5.25V input voltage range. With a low 35 μ A quiescent current, low $R_{DS(ON)}$ and tiny 6-pin X2-DFN1212 package, this part is particularly well-suited for compact, low-power, handheld, consumer electronic products such as smart phones, tablets, cameras and portable media players.

Additional benefits of the AP7342 are a high 75dB power supply rejection ratio (PSRR) and low 60 μ Vrms noise sensitivity (from 10Hz to 100kHz). These are key to getting the best performance from audio and video applications or communications devices with RF sub-systems, such as wireless adaptors. A wide input voltage specification ensures compatibility with lithium batteries down to 1.7V, while the output voltage, which can be fixed between 1.2V and 3.6V, is maintained to 1% accuracy at +25°C and 1.5% across the full -40°C to +85°C operating temperature.

The AP7342 is available in high volume, offering an industrial-standard component at a competitive cost but with outstanding light-load, high-efficiency performance. 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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