



For immediate release

Single-Cell Lithium Battery Protection IC from Diodes Incorporated Delivers High-Precision Low-Power Performance

Plano, Texas – December 15, 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 AP9101C. This IC provides protection for single-cell lithium-ion (Li+) or lithium-polymer battery packs. The device can turn off external MOSFET switches when detecting over-charge voltage, over-discharge voltage, over-charge current, over-discharge current and other abnormalities. This capability is particularly important in consumer markets for products such as smart phones, cameras and similar portable devices.

High-precision voltage detection over the full -40°C to +85°C temperature range promotes maximum cell lifetime and safe operation during charge and discharge cycles. The AP9101C also features a built-in time delay circuit that allows the various protection functions to be implemented with fewer components and requiring no external capacitors.

The AP9101C provides design flexibility with or without power-down mode and can be quickly customized to protect different cell specifications in various applications. A low quiescent current of 3µA in normal mode, and just 0.1µA when powered down, delivers useful power saving benefits.

The AP9101C is offered with standard SOT25 and SOT26 package options. 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 in 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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