



LNB Power Management and Control IC from Diodes Incorporated Increases Set-Top Box Efficiency

Plano, Texas – June 29, 2012 – 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 announced the introduction of a family of low power LNB (low noise block) power management and control ICs for use in set-top boxes, TVs with built-in satellite tuners and PC satellite tuner cards. Designed to increase product efficiency and reliability, the full-featured ZLPM8000 series ICs offers manufacturers the flexibility to address global satellite TV standards.

Three single-output devices are initially being made available: the high-current ZLPM8010 (750mA) and low-current ZLPM8011 (450mA), both of which are full-featured and support DiSEqC™ 1 and DiSEqC 2 standards; and the low-current ZLPM8012 (450mA), with a reduced feature set and supporting the DiSEqC 1 standard only.

To increase overall STB system efficiency, the ICs' low quiescent current boost converter operates from a standard 12V power rail and employs a low Rds(on) (270mΩ) MOSFET power switch. In turn, the converter supplies a very low volt drop (500mV) LDO regulator, providing control signals and low noise power output to the LNB. The devices' standby operating mode puts it into a deep sleep mode in which current consumption is only 600μA.

The LNB supply generated by the ZLPM8000 series is highly programmable, being configurable in 0.25V steps from 10.25V through to 19.5V; this enables designers to match with any system architecture and adjust for cable drops or poorly performing LNBs. The devices' integral protection and diagnostic features

include over-current limit, line short and open circuit, over temperature shutdown and under voltage alerts.

An integrated 22kHz tone generator provides for DiSEqC and traditional band switching control that is reliable even under no-load conditions. To enable two-way communication between LNB and STB, the ZLPM8010 and ZPLM8011 include the market-leading Zetex LNB DiSEqC receive technology, which allows high reliability detection of a wide range of signals while assuring excellent signal rejection.

Fully configurable via I²C™ interface or standard logic inputs, the ZLPM8000 series devices are easily tailored to handle regional variations in satellite TV standards. Using the I²C port, designers can access an array of device functionality, including LNB control, output adjustment, a four-level current limit, low-current standby and various line check features.

The three devices in the ZLPM8000 product line are provided in the compact 20-lead, 4mm x 4mm QFN package and are pin-compatible, enabling product designers to change the IC to match local market requirements without having to modify PCBs. For further information, visit the Company's website at www.diodes.com.

DiSEqC is a trademark of Eutelsat S.A.

I²C is a trademark of Phillips Corp.

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 Plano, Texas. Design, marketing, and engineering centers are located in Plano; 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 two joint venture facilities located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in Fort Worth, Texas; 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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Company Contact:

Diodes Incorporated
Julie Holland
VP, Worldwide Analog Products
P: 972-987-3900
E: pressinquiries@diodes.com

Investor Relations Contact:

Shelton Group
Leanne K. Sievers
EVP, Investor Relations
P: 949-224-3874
E: lsievers@sheltongroup.com