



## Single- and Dual-Channel Comparators from Diodes Incorporated Boost Performance

**Plano, Texas – May 08, 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 enhanced versions of the popular LMV331 and LMV393 single- and dual-channel comparators for use in battery-powered portable devices such as mobile phones and notebook PCs. These general-purpose devices run at a lower voltage, draw less current and offer smaller package options than most industry-standard alternatives.

Operating at a low voltage range of 2.7V to 5.5V, the comparators feature a typical supply current at 5V of only 40 $\mu$ A for the LMV331 and 70 $\mu$ A for the LMV393, and are cost-effective drop-in replacements that help reduce overall system power consumption. The devices feature an extended operating temperature range (-40°C to +125°C), making them compatible with industrial system designs.

The LMV393 dual-channel comparator is provided in the industry-standard SO-8 and MSOP-8 packages, while the single-channel LMV331 is offered in the space-saving 5-pin SOT353 and SOT25 formats, helping to shrink circuit size in portable products.

To maximize flexibility, the comparators' input common-mode voltage range includes ground and extends from -0.1V to +2V while featuring an open-collector output. 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 four manufacturing facilities located in Shanghai, China, and two joint venture facilities located in Chengdu, China, as well as manufacturing facilities located in Neuhaus and 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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