



## **Diodes Incorporated Announces Low Voltage, Low Current Op-Amp for Battery-Powered Applications**

**Plano, Texas – February 18, 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 TLV271 single-channel, rail-to-rail output op-amp. A drop-in replacement for alternative industry-standard parts, the op-amp enables designers to make full use of the entire supply voltage operating range.

The device's wide minimum/maximum output range of 2.7V to 16V enables the TLV271 to support an extensive array of low-power and battery-operated consumer and industrial products. A quiescent current of only 550 $\mu$ A helps minimize power consumption for devices operating over a gain bandwidth of 2MHz and with a slew rate of only 1.4V/ $\mu$ s.

In addition, Diodes Incorporated's version of the TLV271 offers an improved level of stability and phase margin, enabling capacitive loads of up to 100pF to be driven without the need of a nulling resistor. The high input impedance and minimal bias current of this CMOS device also makes it suitable for use with a wide range of signal sensors.

To help meet a wider range of system requirements, the op-amp is provided in a choice of SOT23-5 or SO8 packaging and in commercial (0 to +70°C) and industrial (-40°C to +125°C) temperature ranges. 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, 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. 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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