



## **Diodes Incorporated Expands Comparator and Op Amp Families with Extended Industrial Temperature Ratings**

**Plano, Texas – June 10, 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 industry standard LM290X-series dual and quad operational amplifiers (opamps) and comparators. The LM2901/LM2903 quad and dual comparators and LM2902/LM2904 quad and dual opamps are characterized for operation from  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ , making them well-suited for industrial applications such as motion control and process automation.

With an input common-mode range that includes 0V, the comparators and op amps operate from a single power supply over a wide voltage range: comparators operate from 2V to 36V and op amps from 3V to 36V. Split supplies can also be employed with the parts:  $\pm 1\text{V}$  to  $\pm 18\text{V}$  for the comparators and  $\pm 1.5\text{V}$  to  $\pm 18\text{V}$  for the op amps.

The parts offer a very low power supply current consumption, independent of the supply voltage. The LM2903 dual comparator draws only 0.6mA and the LM2904 dual op amp just 0.5mA. Input offset voltage of all parts is also low, at 2mV typical.

The dual devices are offered in the SO-8 package, while for added design flexibility the quad devices are provided in a choice of SO-14 and TSSOP-14 packages. Package pin-outs are industry-standard, ensuring pin-to-pin compatibility with alternative industrial grade parts. 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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