



## **Darlington Arrays from Diodes Incorporated Drive Big Inductive Loads**

**Plano, Texas – June 11, 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 higher performance, lower cost versions of the industry-standard ULN2000 series of Darlington arrays. The devices integrate seven open-collector Darlington transistors, each capable of producing a high output current of 500mA, from outputs rated at 50V. These arrays are capable of driving a wide range of loads including solenoids, relays, DC motors, LED displays, filament lamps, thermal print-heads and high-power buffers.

With clamp diodes included, the Darlington arrays directly drive a variety of inductive loads, including relays and stepper motors in home appliance and industrial products. Three arrays have been announced by Diodes Incorporated, ensuring compatibility with all common logic families. These are: ULN2002A (14V to 25V PMOS), ULN2003A (5V TTL, CMOS) and ULN2004A (6V to 15V CMOS, PMOS).

As drop-in replacements, all parts are provided in the popular small outline SO-16 package, with inputs and outputs of all Darlington pins out in direct opposition to simplify PCB layouts. The array's -40°C to +105°C operating temperature suits the requirements of industrial system design. 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 two additional facilities located in Shanghai, China. Diodes has an assembly and test facility located in Shanghai, in Chengdu, China, as well as in Neuhaus and in 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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