



## **Audio Amplifier from Diodes Incorporated Delivers Higher Power in a Smaller Space**

**Plano, Texas – October 31, 2013** – 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 a 20W mono Class-D audio amplifier in the space-saving SOP16 exposed-pad, surface-mount package. PAM8320's low-impedance drive capability enables it to deliver 20W into a 4Ω bridge-tied-load speaker, making it suitable for a variety of high-power, small-enclosure speakers in wireless headphones, PCs and docking station products. The amplifier's wide 4.5V to 15V supply range also means it performs equally well for battery cell and mains-driven consumer audio systems.

Operating at an efficiency of up 95%, the PAM8320 eliminates the need for an external heatsink, saving system space and reducing BOM cost. To help increase product reliability, this amplifier features a suite of safeguard circuitry, consisting of over-voltage and under-voltage lockout protection, thermal and short-circuit protection with auto recovery, as well as anti-pop circuitry to keep the speaker safe during power-on and power-off sequences. 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 two more located in Shanghai, China. In addition, two assembly-test facilities are located in Shanghai; two are located in Chengdu, China, with one in Neuhaus and one 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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