



*For immediate release*

## **Diodes Incorporated Announces USB Product Family with Improved Power Dissipation and Smaller Footprint**

**Dallas, Texas – May 5, 2009** -- Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete and analog semiconductor markets, today announced the release of the AP21x6 family of dual Universal Serial Bus (USB) power switches. Target markets for the new devices include set-top-boxes, LCD TV and monitors, HDTV, residential gateway and ADSL, laptop, server, and consumer electronics with USB port(s). Application areas include USB port protection, heavy capacitive loads, short-circuit protection and over-current protection.

Expanding on the AP21x1/x2 product family, the AP21x6 family offers a reduced footprint, improved switch on-resistance and better power dissipation than competing devices. These integrated high-side power switches are optimized for self-powered and bus-powered USB and other hot-swap applications. The family of devices complies with all USB standards and is available with both polarities of Enable input. The AP21x6 family provides a cost effective, small form-factor implementation that offers complete protection for USB ports in different systems.

The AP21x6 family is form, fit and function compatible with industry standard dual channel devices. Offered in SO8 packaging, these devices are rated for commercial applications. The power switches are also available in thermally enhanced MSOP-8L-EP packages, and are specified for operation over industrial temperature range of -40 to +85°C. Diodes offers extended output current options at 0.5A, 1A and 1.5A in both footprints, enabling these devices to be used to protect multiple USB ports for space conscious and low cost solutions.

The AP21x6 family offers a faster response time, more accurate current limiting protection, and reverse current blocking compared to similar devices from competitors. Ensuring public safety and confidence while reducing costs and improving quality, the family meets UL's rigorous safety standards, file number E233275; and Nemko IEC 60950-1 CB Scheme.

### **About Diodes Incorporated**

Diodes Incorporated (Nasdaq: DIOD), an S&P 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 and analog semiconductor markets, serving the consumer electronics, computing, communications, industrial and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, functional specific arrays, amplifiers and comparators,

Hall-effect sensors and temperature sensors, power management devices including LED drivers, DC-DC switching regulators, linear voltage regulators and voltage references along with special function devices including USB power switch, load switch, voltage supervisor and motor controllers. The Company's corporate headquarters are located in Dallas, Texas. A sales, marketing, engineering and logistics office is located in Westlake Village, California. Design centers are located in Dallas; San Jose, California; Taipei, Taiwan; Manchester, England and Neuhaus, Germany. The Company's wafer fabrication facilities are located in Kansas City, Missouri and Manchester; with two manufacturing facilities located in Shanghai, China, another in Neuhaus, and a joint venture facility located in Chengdu, China. Additional engineering, sales, warehouse and logistics offices are located in Taipei; Hong Kong; Manchester and Munich, Germany, with support offices located throughout the world. For further information, including SEC filings, visit the Company's website at <http://www.diodes.com>.

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