



FOR IMMEDIATE RELEASE

Diodes Announces Launch of New Line of Pre-biased Transistors for Low Voltage and Low Power Designs

*First to market with family of **Pre-biased Transistors for Low Voltage and Low Power Designs***

Westlake Village, California – August 5, 2003 – Diodes Incorporated (Nasdaq: [DIOD](#)), a leading manufacturer and supplier of high quality discrete semiconductors, today announced the release of a significant addition to the Company's line of Pre-Biased Transistors.

The new line of Pre-Biased Transistors for low voltage and low power designs is the latest addition to the Company's extensive range of single and dual Pre-Biased Transistors launched last year. Diodes Inc. is the first manufacturer to bring to market a line of Pre-biased Transistors with an input resistor (R1) value below 1k ohms. Diodes' range will have values of 220 and 470 ohms in both singles and duals and a variety of surface mount packages.

There is a wide range of potential applications for the new product line. The lower R1 values offer substantial benefits to manufacturers of portable personal consumer electronic products such as cellular phones, laptop computers, digital cameras, pagers and PDAs. These devices run off of lower logic voltages, have an extreme need to conserve power, and typically rely on low battery voltages.

"This launch demonstrates the growing strength and innovative design capabilities of the Company's R&D program," said Mark King, VP of Sales and Marketing at Diodes Incorporated. "At Diodes, we are committed to the proactive development of next-generation technology geared to meeting our customer's evolving design requirements. We are proud that we are first to market with this product line of low R1 values in multiple packages and see this as a validation of our customer-driven product development program."

A Pre-Biased Transistor is a bi-polar junction transistor with the bias resistors for switching type circuits deposited on the transistor die using a thin film polysilicon. The resistor configuration consists of a "base biasing resistor" or R1, and an optional "bleed resistor," or R2.

When biasing a transistor for a switching type application, a substantial amount of base current is necessary to ensure optimum functionality. This can be problematic with the traditional R1 value of 1k ohms, as the lower voltages used in today's systems may be insufficient to drive the transistors optimally.

Pre-Biased Transistors are also used as level shifters and inverters that drive other logic devices. The lower R1 values delivered by this new range will result in cleaner logic output lows and higher noise margins.

For more information, visit <http://www.diodes.com> or contact Diodes' customer service at 800-446-4874 or email at info@diodes.com.

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD) is a leading manufacturer and supplier of high-quality discrete semiconductor products, serving the communications, computer, industrial, consumer electronics and automotive markets. The Company operates three Far East subsidiaries, Diodes-China (QS-9000 and ISO-14001 certified) in Shanghai, Diodes-Taiwan (ISO-9000 certified) in Taipei, and Diodes-Hong Kong. Diodes-China's manufacturing focus is on surface-mount devices destined for wireless devices, notebook computers, pagers, PCMCIA cards and modems, among others. Diodes-Taiwan is our Asia-Pacific sales, logistics and distribution center. Diodes-Hong Kong covers sales warehouse and logistics functions. The Company's 5" wafer foundry, Diodes-FabTech (QS-9000 certified), specializes in Schottky products and is located just outside Kansas City, Missouri. The Company's ISO-9000 corporate sales, marketing, engineering and logistics headquarters is located in Southern California. For further information, visit the Company's website at <http://www.diodes.com>.

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Source: *Diodes Incorporated*

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Recent news releases, annual reports, and SEC filings are available at the Company's website:

<http://www.diodes.com>. Written requests may be sent directly to the Company, or they may be e-mailed to: diodes-fin@diodes.com.

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