

# NEWS RELEASE

## **OPTO DIODE CORPORATION**

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*For Immediate Release*

## **Opto Diode Introduces Lower Noise, NIR / Red-Enhanced, Photodiode-Preamplifier**



**Newbury Park, CA – February 20, 2008 – Opto Diode Corporation**, a global supplier of advanced photodetectors and high-sensitivity, visible and infrared LEDs, introduces the new **NIR / Red Enhanced 6mm<sup>2</sup> ODA-6W-100M Photodiode-Preamplifier**. The near-infrared photodetector-preamp combo features lower noise than discrete detector preamp circuits due to Opto Diode's proprietary, shielded amplifier electronics. The high-sensitivity device is more compact than discrete solutions, making it ideal for assembly in tight or limited spaces. With a large active area and extremely low noise, the new component operates in the NIR wavelength with response at 940 nm (typically 63 V/uW, min. 55). The standard version features 500 Mohm gain with custom gains also available, per customer specifications. Opto Diode's photodiode-preamp combo is ideal for low-light-level tasks such as fluorescence. It is also highly suited for applications in the low pW region where discrete detector/preamplifier solutions are not sensitive enough.

Housed in a hermetically-sealed TO-39 can for easy integration, the enhanced infrared component's operating and storage temperature ranges from -25 degrees C to +100 degrees C. Available for immediate shipping, units are priced at \$52.75 each in quantities of 11 pieces. For more information on Opto Diode's new family of advanced performance Photodiode-Preamplifier combination products, please visit [www.optodiode.com](http://www.optodiode.com).

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**Opto Diode Corporation** ([www.optodiode.com](http://www.optodiode.com)), based in Newbury Park, California, has been supplying the global market with reliable, high quality infrared (IR) LEDs and custom LEDs in the visible range since 1981. The company recently introduced a new family of products: High-performance photodetectors, both standard and custom devices that are also manufactured at the U.S. facility. Opto Diode's signature high standards and uncompromising attention to quality and detail inherent in the LEDs, are now incorporated in the new photodetectors product line. Opto Diode's domestic U. S. plant offers competitive pricing, short lead times, excellent quality and demanding standards to meet your strictest requirements. Industries served include test & measurement, biotechnology, medical, entertainment, military/defense, industrial, aerospace, automotive, R&D, and more.