

# NEWSRELEASE

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## **OPTO DIODE CORPORATION**

750 Mitchell Road, Newbury Park, CA 91320  
Contact: Russell Dahl, Director Sales & Marketing  
Phone: 805-499-0335 x312  
Fax: 805-499-8108  
E-mail: [rusgdahl@optodiode.com](mailto:rusgdahl@optodiode.com)  
Web Site: [www.optodiode.com](http://www.optodiode.com)

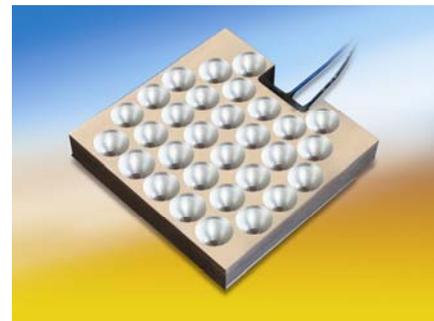
## **Media Contact: Marlene Moore**

Smith Miller Moore, Inc.  
Phone: 818-708-1704  
Email: [marlene@smm-ads.com](mailto:marlene@smm-ads.com)

*FOR IMMEDIATE RELEASE*

## **Opto Diode Introduces High Power, 30-Die, Infrared LED Array**

**July 7, 2010 – Newbury Park, CA – Opto Diode Corporation**, a global supplier of advanced performance photodiodes and highly reliable, visible and IR LEDs, has developed the first in a series of high power LED arrays, the **OD-850-30-030**. The new 30-die near-infrared (NIR) LED array delivers more efficient operation and higher power with a narrow beam angle of 30 degrees. The device has a peak wavelength of 850 nm (min. 840 nm and max. 865 nm) and a total optical power output of 16 watts



Ideal for night vision systems and skin therapy applications, Opto Diode's NIR light-emitting-diode array is available for shipping in OEM quantities by June 28, 2010.

Russ Dahl, director of sales and marketing for Opto Diode, notes, "Making an array results in a much more compact size, compared to using discrete components. This, of course, is critical in applications that have space limitations. Our 30-die NIR LED array also features a narrow beam angle which results in much higher intensities than could be achieved with a chip-on-a-board-type solution."

Thermal parameters for storage range from -40 degrees C to 125 degrees C, with the operating temperature range from -20 degrees C to 100 degrees C. The maximum junction temperature is 125 degrees C with a thermal resistance, junction to case, of 0.8 degrees C per watt.

For more information about the innovative near-infrared LED array, 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, delivers high-performance, standard and custom photodetectors, and reliable, high quality infrared LEDs and visible LEDs. The company's domestic U. S. manufacturing plant includes a wafer fab and ensures delivery of volume

quantities at competitive prices with short lead times. Opto Diode's rigorous quality control standards meet their customer's strictest requirements in a variety of industries, including test & measurement, biotechnology, medical, entertainment, military/defense, industrial, aerospace, automotive, R&D and more.