

NEWS RELEASE

OPTO DIODE CORPORATION

A Division of ITW
750 Mitchell Road, Newbury Park, CA 91320
Contact: Russell Dahl, General Manager
Phone: 805-499-0335 x312
Fax: 805-499-8108
E-mail: russsdahl@optodiode.com
Web Site: www.optodiode.com

Media Contact: Marlene Moore

Smith Miller Moore, Inc.
Phone: 818-708-1704
Email: marlene@smithmillermoore.com

For Immediate Release

Opto Diode Announces Super High-Power IR Emitters

March 19, 2012 – Newbury Park, CA – Opto Diode (www.optodiode.com), a division of ITW, and a member of the ITW Photonics Group, announces the first in a new series of super high-power gallium aluminum arsenide (GaAlAs) infrared (IR) emitters, the OD-110L. The new device features ultra high optical output with a very narrow optical beam, making it ideal for night vision (NV) and other military imaging applications.

The OD-110L is housed in a standard 3-lead, hermetically-sealed TO-39 package to accommodate the small-size (0.026 in. x 0.026 in.) chip. There are four wire bonds on die corners and all surfaces are gold-plated for added durability. Typically, the total power output (at 25 degrees C) is 110mW and the minimum output is 55mW with peak emission wavelength at 850 nm.

The absolute maximum rating at 25 degrees C (case) for power dissipation is 1000mW, with a continuous-forward-current rating at 500mW. The OD-110L lead-soldering temperature (1/16 in. from the case for 10 seconds) is 260 degrees C. Storage and operating temperatures range from -40 degrees C to 100 degrees C, making these devices suitable for harsh environments and for integration into illuminators and markers, and systems utilizing NV goggles and cameras. For more information on the new super-high-power IR emitter, please go to: <http://www.optodiode.com/pdf/OD-110L.pdf>.

Opto Diode Corporation (www.optodiode.com) based in Newbury Park, California, is a member of the ITW Photonics Group, delivering high-performance, standard and custom photodetectors, and reliable, high quality, standard and custom infrared and visible LEDs. The company, with the recent acquisition of International Radiation Detectors,

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also designs and manufactures semiconductor radiation devices that detect photons in the UV range, X-rays, and other high energy particles. The 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.

About ITW Photonics Group: ITW, a diversified manufacturer of advanced industrial technology, has brought together three of its photonics business units to form the ITW Photonics Group. The ITW Photonics Group was created to bring together and build on the technical expertise of three individual companies that specialize in photonics technology and span the full spectrum of wavelengths. The group consists of Lumex (LED and LCD technology, headquarters in Palatine, IL and Taiwan), Cal Sensors (IR detector and emitter technology, based in Santa Rosa, CA) and Opto Diode (LED, silicon photodiodes and electro-optical assembly technology, based in Newbury Park, CA).

The synergy of these industry frontrunners provides an unsurpassed range of photonic capabilities within a broad spectrum of markets, including medical, military and industrial controls. The ITW Photonics Group provides integrated solutions that encompass the technology and experience from all three business units, offering design engineers higher product performance with greater feature enhancements. For more information on the ITW Photonics Group, log onto www.itwphotonicsgroup.com.

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