NEWS RELEASE

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For Immediate Release

Opto Diode's New, Medium Emission Angle, High-Power IR LEDs

January 24, 2012 – Newbury Park, CA – Opto Diode (www.optodiode.com), a division of ITW**,** and a member of the ITW Photonics Group, introduces the third in a series of infrared (IR) LEDs, the OD-850L. Domestically manufactured using highly reliable, liquid-phase epitaxially-grown gallium aluminum arsenide (GaAlAs), the new high optical output IR emitters feature a medium emission angle for optimum coverage with excellent power density. Similar to the recently introduced OD850W (wide angle emission) and the OD-850N (narrow angle emission) IR LEDs from Opto Diode, the new OD-850L is designed to replace the company's current OD-880L (medium emission angle) device. The new emitters feature greater output power (nearly 50% more) with less degradation and higher stability than the legacy devices. In addition, the new 850nm wavelength is also better matched to photo transistors and opto integrated circuits (ICs). Ideal for industrial control tasks, the hermetically-sealed, standard TO-46 can is designed with gold-plated surfaces and window caps that are carefully welded to the case, for added durability.

Opto Diode's OD-850L IR LEDs can be stored or operated at temperatures ranging from -40 degrees C to 100 degrees C. The convenient package is ideal for use in optical encoders and photoelectric controls. Peak emission wavelength is 850 nm, the total power output ranges from a minimum 25mW, with a typical output at 35mW, and peak forward current at 300mA.

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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, 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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