

NEWS RELEASE

OPTO DIODE CORPORATION

A Division of ITW

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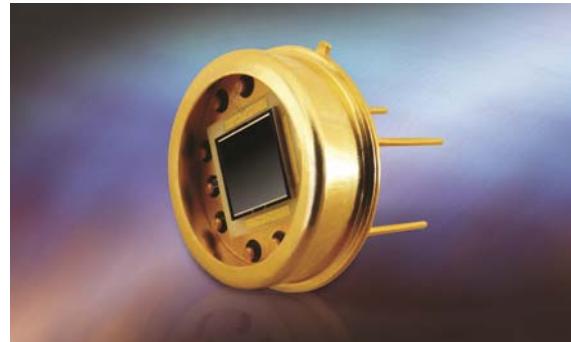
For Immediate Release

Opto Diode Introduces UV/EUV Continuous Position Sensor

February 24, 2014 – Newbury Park, CA – Opto Diode (www.optodiode.com), a division of ITW, and a member of the **ITW Photonics Group**, introduces the

ODD-SXUV-DLPSD, a duo-lateral UV/EUV submicron-position resolution sensor.

The new device provides a highly stable response after exposure to ultraviolet and/or extreme ultraviolet radiation. It is available in a TO-8 windowless package to minimize changes in the diode's responsivity after exposure to intense UV/EUV photons. With a 5 mm x 5 mm active area, the ODD-SXUV-DLPSD is ideal for applications in advanced lithography, and any other positioning application requiring the use of a sub 200 nm wavelength.



The continuous position sensing photodiode is designed for position detection of light from 1 nm to 400 nm wavelengths. The responsivity at 13 nm is typically 0.20 A/W; responsivity at 254 nm is typically 0.02 A/W. Dark current, under operating conditions, is 10 (typical) and 50 (maximum) nA. The new ODD-SXUV-DLPSD features reverse breakdown voltage of a minimum of 50 volts and a capacitance of 40 (typical) to 60 (maximum) pF.

Operating and storage temperatures range from -10 degrees C to 40 degrees C (ambient) and from -20 degrees C to 80 degrees C (in nitrogen or vacuum conditions). The maximum junction temperature is 70 degrees C and the lead-soldering temperature is 260 degrees C at 0.080 in. from the case for 10 seconds.

To learn more about Opto Diode's family of SXUV photodiodes, please visit.
<http://optodiode.com/products.html#IRD-UV-Photodiodes>

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 Carol Stream, 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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