

# NEWSRELEASE

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## OPTO DIODE CORPORATION

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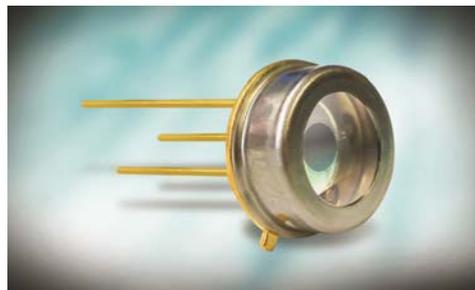
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*For Immediate Release*

## Opto Diode Introduces the SXUV5 Ø2.5 mm Photodiode

**Aug. 14, 2014 – Newbury Park, CA – Opto Diode ([www.optodiode.com](http://www.optodiode.com))**, a division of ITW, and a member of the **ITW Photonics Group**, introduces a new photodiode with a circular active area, the **SXUV Ø2.5 mm**. The new device provides excellent stability after extreme ultraviolet (EUV) conditions. It is housed in a TO-39, 3-pin, windowless package that delivers responsivity down to 1 nm. The active area is typically Ø2.5 mm and has a minimum shunt resistance (Rsh) of 20 MOhms @ ± 10 mV (typical). The new photodiode is well suited for high power laser monitoring at wavelengths 1nm – 200nm, or other tasks that require a highly-stable photodiode after EUV exposure.



The device parameters include reverse breakdown voltage of 20 Volts, with the capacitance of 1 nanofarads (nF). The response time is 1 nanosecond (typical) to a maximum of 2 nanoseconds.

Storage and operating 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 lead soldering temperature (0.08 inches from the case for 10 seconds) is 260 degrees C; the maximum junction temperature is 70 degrees C.

To learn more about Opto Diode's unique, highly stable SXUV Ø2.5 mm, or to view its photon responsivity graph on page 2 of the pdf, please go to: <http://optodiode.com/pdf/SXUV5.pdf>.

**Opto Diode Corporation** ([www.optodiode.com](http://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/ITWPhotonics 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](http://www.itwphotonicsgroup.com).

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