

# NEWSRELEASE

---

## 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: [russtdahl@optodiode.com](mailto:russtdahl@optodiode.com)  
Web Site: [www.optodiode.com](http://www.optodiode.com)

## Media Contact: Marlene Moore

Smith Miller Moore  
Phone: 818-708-1704  
Email: [marlene@smithmillermoore.com](mailto:marlene@smithmillermoore.com)

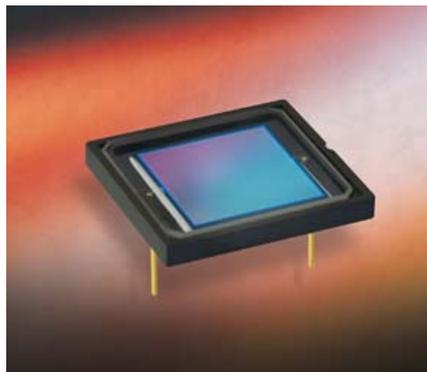
*For Immediate Release*

## Opto Diode Introduces a 100 mm<sup>2</sup> Photodiode– SXUV100

**January 6, 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**, announces a new single active area photodiode featuring 100 mm<sup>2</sup> - the SXUV100. The highly sensitive device permits detection to 1 nm, and provides a remarkably stable response after exposure to EUV/UV conditions. Best applications include detection of 13.5 nm wavelengths or any high power density source monitoring between 1 nm - 150 nm.

The new photodiode is operational from 1nm to 1000 nm, with peak photon responsivity at 0.27A/W (at 1 nm) and 0.33 A/W (at 850 nm). Shunt resistance (Rsh) @ ± 10 mV is 10 MOhms (min.), the capacitance is typically 6 nanofarads (nF), and the response time is typically 250 nanoseconds.

The new SXUV100's 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.



Opto Diode's new 100 mm<sup>2</sup> photodiodes are available in single or volume quantities, and shipping now. For more information about Opto Diode's new SXUV detector series, please visit: <http://optodiode.com/pdf/SXUV100.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 *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](http://www.itwphotonicsgroup.com).

# # #