

# NEWSRELEASE

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## OPTO DIODE CORPORATION

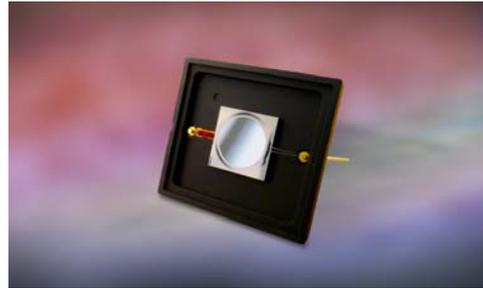
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*For Immediate Release*

## Opto Diode's New High Speed Ø5 mm Photodiode - SXUV20HS1

**Sept. 25, 2014 – Camarillo, CA – Opto Diode ([www.optodiode.com](http://www.optodiode.com))**, a division of ITW, announces the SXUV20HS1, a high-speed photodiode with a Ø 5 mm circular active area. The new detector is ideal for extreme ultraviolet (EUV) detection covering 1 to 200 nm. It is designed to dissipate the optical energy of high-powered UV lasers without the typical measurement degradation that occurs with prolonged exposure to UV. Optimized to provide stable responsivity for consistent, repeatable measurements, it is ideal for any high-speed laser power monitoring applications.



Highly stable, the SXUV20HS1 sensitive area is 19.7 mm<sup>2</sup>, grid lines are at 5 microns with the pitch at 100 microns. Shunt resistance is 5 MOhms and capacitance is typically 200 pF to a maximum of 800 pF. The high-speed device parameters include reverse breakdown voltage at 160 V (minimum), dark current of 100 nA (under test conditions of 150 V), and a rise time of 2 nanoseconds (maximum).

RoHS and REACH compliant, Opto Diode's new photodiode is well-suited for applications such as photolithography, where tight control of the laser's output, a fast response, and measurement stability are critical.

For more information about Opto Diode's high speed SXUV20HS1 Ø 5 mm photodiode, go to: <http://optodiode.com/pdf/SXUV20HS1.pdf>. For the photon responsivity graph, please see page two of the data sheet pdf.

**Opto Diode Corporation** ([www.optodiode.com](http://www.optodiode.com)) based in Camarillo, California has a long history of delivering industry-leading photodetectors and LEDs. Available in standard and custom designs, Opto Diode products have supported the photonics industry for over 30 years and earned a reputation for high performance, superior quality and reliability. With the acquisition of International Radiation Detectors (IRD) and the merger of Cal Sensors (CSI), Opto Diode now offers industry-leading performance detectors from the extreme UV to the mid-infrared (mid-IR) regions of the electromagnetic spectrum. The IRD product line detects high energy particles and photons in the UV and X-ray regions. The CSI detectors provide superior sensitivity to discriminate trace gases or detect heat, sparks or flames in the mid-IR spectrum.

Complemented by high performance LEDs with radiometric emissions from 365 to 940 nm and IR emitters covering 1 to 10 microns, Opto Diode supports your measurement needs from prototyping to high volume production. All products are designed and manufactured in the US. The Opto Diode facility is optimized for manufacturing with on-site wafer fabrication, class 1,000 to 10,000 clean rooms, extensive assembly capabilities and packaging expertise, delivering the products you need to fulfill your design requirements. Applying rigorous quality control standards, Opto Diode serves a variety of industries including: medical, test & measurement, military/defense, biotechnology, R&D, entertainment, industrial, aerospace and automotive. For more information, visit [www.optodiode.com](http://www.optodiode.com).

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