

NEWS RELEASE

OPTO DIODE CORPORATION

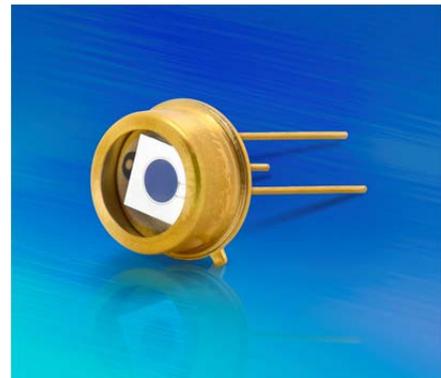
An ITW Company
1260 Calle Suerte
Camarillo, CA 93012
Contact: Russell Dahl, Business Unit Manager
Phone: 805-499-0335 x312
Fax: 805-499-8108
E-mail: rusdahl@optodiode.com
Web Site: www.optodiode.com

Media Contact: Marlene Moore
Smith Miller Moore
Phone: 818-708-1704
Email: marlene@smithmillermoore.com

For Immediate Release

Opto Diode Introduces an Ultraviolet-Enhanced Circular Photodetector

CAMARILLO, Calif. – June 17, 2020 - Opto Diode Corporation, an ITW company, introduces the **UVG5S**, an ultraviolet-enhanced photodiode with a 5 mm² circular active area. The new device is ideal for detection between 225 nm and 400 nm and features less than 2% response degradation after exposure to 7000J/cm² at 254 nm. With 100% internal quantum efficiency from 200 nm to 365 nm, the UVG5S is ideal for laser power monitoring tasks and other high-energy detection applications. The photodiode is packaged with a welded cap that includes a UV glass window.



Electro-optical characteristics include responsivity at 0.09 A/W (minimum) to 0.115 A/W (typical) and dark current of 1nA. The reverse breakdown voltage ranges from 25 V (minimum) to 50 V (typical), and capacitance is 500 pF (minimum) to 1500 pF (maximum). Response time is 1 μ s (minimum) to 2 μ s (maximum).

The storage temperature ranges from -20 °C to +80 °C and the lead soldering temperature is 240 °C.

To download Opto Diode's UVG5S specification sheet, please go to:

<https://optodiode.com/pdf/UVG5S.pdf>. To learn more about Opto Diode's full line of sensors, detectors, optoelectronic modules, LEDs, and photonics assemblies for critical applications, visit: www.optodiode.com.

Opto Diode Corporation (Camarillo, CA - www.optodiode.com), an ITW Company, delivers industry-leading sensors, photodiodes, IR detectors, photonic modules, assemblies, and LEDs. Available in standard and custom designs, Opto Diode products have earned a reputation for high performance, superior quality and reliability for over 30 years. Opto Diode offers advanced performance sensors from the extreme ultraviolet (UV) to the mid-infrared (mid-IR). Our products provide unparalleled high-energy particle, electron, X-ray, and UV detection along with superior sensitivity to discriminate trace gases or detect heat, sparks, or flames in the mid-IR spectrum. Other products include high performance LEDs with radiometric emissions from 365 to 940 nm and IR emitters covering 1 to 10 microns.

Opto Diode serves a variety of industries including aerospace, automotive, biotechnology, food processing, medical, military/defense, industrial, semiconductor equipment manufacturing, and test & measurement. Our manufacturing process is in a cleanroom environment, from start to finish. Opto Diode's domestic U.S. facility is optimized for design and manufacturing with an on-site wafer fabrication, class 1,000 to class 10,000 clean rooms, extensive assembly capabilities and packaging expertise. From prototyping to high-volume production, we manufacture wafers-to-components then package and assemble photonic modules-to-optoelectronic sub-systems. For more information, visit www.optodiode.com.

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