NEWS RELEASE

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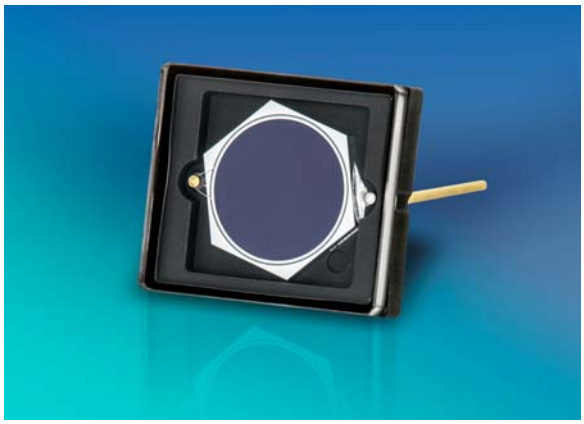
For Immediate Release

Opto Diode's UV-Enhanced Detector with 5.5 mm Diameter Active Area

CAMARILLO, Calif. – November 16, 2020 - **Opto Diode Corporation**, an ITW company, announces an ultraviolet-enhanced detector featuring a 5.5 mm diameter active area, the **UVG20S**. The photodiode is ideal for UV detection between 190 nm to 400 nm spectral wavelengths with a full spectrum of 190 nm out to 1000 nm. The device features stable responsivity over wide temperature ranges and features 100% internal quantum efficiency from 200 to 400nm. The photodetector is packaged with a UV quartz window that is epoxy-bonded in place making it ideal for integration into new or existing systems.



The circular active area device is specially designed for high-energy detection, such as laser power monitoring applications. Under test conditions at 254 nm, the UVG20S detector's responsivity ranges from 0.105 A/W (minimum) to 0.115 A/W (typical). Shunt resistance is 100 MOhms (typical) and reverse breakdown voltage is 50 volts (typical). At 0 V bias, capacitance is 1.5 nF (typical) and response time is 4 microseconds (typical).

Storage and operating temperatures range from -20 °C to 80 °C and the lead soldering temperature is 260 °C. To view typical photon responsivity, capacitance vs. voltage

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and dark current vs. voltage graphs, please visit: https://optodiode.com/pdf/UVG20SDS.pdf. For more information about Opto Diode's full line of photodetectors, sensors, optoelectronic modules, visible and/or infrared 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.

In addition, Opto Diode can customize the entire product quality system to test, qualify, and document parts and write procedures to the customers' own internal guidelines and specifications. This includes a paper trail, every step of the way, when needed.

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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