

NEWS RELEASE

OPTO DIODE CORPORATION

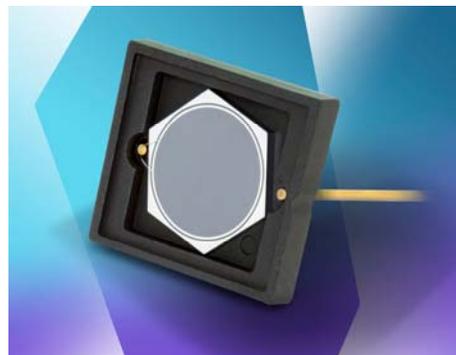
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For Immediate Release

Opto Diode Announces 5 mm² Circular Photodiodes for Radiation Detection

CAMARILLO, Calif. - Sept. 13, 2018 - Opto Diode Corporation, an ITW company, introduces **AXUV20A Circular Photodetectors** for radiation, electron, and photon response in the ultraviolet (UV), extreme ultraviolet (EUV), through visible and near-infrared (IR) wavelength ranges. The circular device, with an active area of 5.5 mm diameter, features sensitivity to low energy electrons.



The AXUV20A photodiode shunt resistance is 100 MOhm, minimum. Reverse breakdown voltage is 5 volts, minimum, and 10 volts, typically. Other features include capacitance at 4 nF, typically, with a maximum of 10 nF, and a rise time of 2 µsec. The AXUV series of photodiodes exhibits response to electron energy levels as low as 100eV. To view typical AXUV20A response graphs, see pg. 2 of the data sheet here: <https://optodiode.com/pdf/AXUV20ADS.pdf>.

Operating and storage temperatures range from -10 °C to +40 °C in ambient environments and from -20 °C to +80 °C in nitrogen or vacuum environments. The device is shipped with a protective cover plate to protect the photodiode chip and wire bonds.

To learn more about Opto Diode's AXUV family of detectors that detect energy from 100eV to 50keV and feature high performance measurement of photons, electrons, or X-rays from 0.0124 nm to 190 nm, please contact sales@optodiode.com or visit: <https://optodiode.com/photodiodes-axuv-detectors.html>.

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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