

NEWS RELEASE

OPTO DIODE CORPORATION

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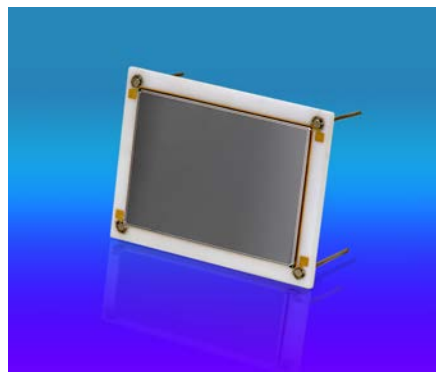
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For Immediate Release

Opto Diode Announces AXUV300C, a Large, Rectangular Photodiode for Electron Detection

CAMARILLO, Calif. – March 25, 2020 - Opto Diode Corporation, an ITW company, introduces the **AXUV300C** photodiode with a large 331 mm² rectangular active area. The new device is part of Opto Diode's **AXUV** detector family that features high-performance detection of photons, electrons, and radiation.

The detector package includes 2 anode and 2 cathode pins, which allows for more versatile connections. There is no window to allow detection of energy shorter than 200 nm. Other features include a response time of 15 microseconds. The large active area device features electron detection as low as 200 eV. To view the responsivity graphs for the AXUV300C photodiodes, please go to Opto Diode's data sheet here: <https://optodiode.com/pdf/AXUV300CDS.pdf>.



Storage and operating temperatures range from -10 °C to +40 °C (ambient) and from -20 °C to +80 °C in nitrogen or vacuum environments. The lead soldering temperature is 260 °C.

To learn more about Opto Diode's AXUV family of detectors for measuring photons, electrons, or X-rays (from 0.0124 nm to 190 nm) that detect energy from 100eV to 50keV with remarkable 100% quantum efficiency, please contact sales@optodiode.com or visit: <https://optodiode.com/photodiodes-axuv-detectors.html>.

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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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