

# NEWS RELEASE

## OPTO DIODE CORPORATION

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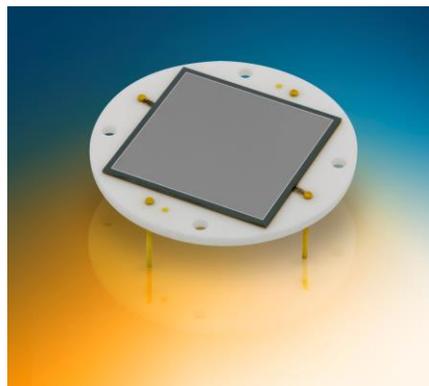
*For Immediate Release*

## Opto Diode Introduces AXUV576C, a Large Square Photodiode for Radiation Detection

**CAMARILLO, Calif. – April 13, 2020 - Opto Diode Corporation**, an ITW company, introduces the **AXUV576C**, a large square photodiode with a 576.5 mm<sup>2</sup> active area that is specially designed for electron and radiation detection. The new device is part of Opto Diode's family of radiation detectors and offers electron detection to 200 eV. The square active area is configured on a round 4-pin package, with 2 anode pins and 2 cathode pins for added connection versatility.

Features include reverse breakdown voltage of 5 volts; capacitance is 5 nF (typical) to 15 nF (max.), with a maximum rise time of 50 microseconds.

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 view the responsivity graphs for the AXUV576C photodiodes, please go to Opto Diode's data sheet here: <https://optodiode.com/pdf/AXUV576CDS.pdf>.

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

**Opto Diode Corporation** (Camarillo, CA - [www.optodiode.com](http://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](http://www.optodiode.com).

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