

NEWS RELEASE

OPTO DIODE CORPORATION

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For Immediate Release

Opto Diode Introduces Ultraviolet LEDs with Narrow Spectral Output

- Narrow spectral output UVLEDs will be showcased in Opto Diode's booth #4539 at SPIE Photonics West, Moscone Center, San Francisco, Calif., Feb. 5 - 7, 2019.

CAMARILLO, Calif. - Dec. 19, 2018 - Opto Diode Corporation, an ITW company, introduces the first in a series of ultraviolet light-emitting diodes (UVLEDs), the **OD-265-001**. The new, narrow-spectral output UVLED is designed for robust and long-lifetime use. The device features include total power output of 0.53 mW (minimum) and 0.68 mW (typical), with peak emission wavelengths at 260 nm (minimum), 265 nm (typical) and 270 nm (maximum). Emission in this wavelength range makes these devices suitable for disinfection applications.



The OD-265-001's spectral bandwidth at 50% is typically 13 nm. The half-intensity beam angle measures 70 degrees, with forward voltage typically at 5 V, and a maximum of 6.5 Volts; capacitance is typically 350 pF. Thermal parameters include storage temperature ranges of -40 °C to 100 °C. The operating temperatures range from -30 °C to +80 °C. To view additional specifications, including a spectral output chart, radiation patterns, power output vs. temperature, and power output degradation graphs, please go to: <https://optodiode.com/pdf/OD-265-001DS.pdf>.

Opto Diode's new OD-265-001 UVLED is housed in a hermetically-sealed TO-46 package, for convenient and easy integration into new or existing systems.

To learn more, please visit Opto Diode's SPIE Photonics West booth # 4539 at Moscone Center, San Francisco, Feb. 5 - 7, 2019, or contact sales@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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