

# NEWS RELEASE

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## OPTO DIODE CORPORATION

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*For Immediate Release*

## Opto Diode Presents BXT2-17TF - Two-Stage, Cooled, Packaged Infrared (IR) Detector

**CAMARILLO, Calif. - October 16, 2017** - Opto Diode Corporation, an ITW company, presents the **BXT2-17TF**, a single-channel, infrared (IR) detector with an integrated 4.67  $\mu\text{m}$  optical bandpass silicon filter. The high-performance lead selenide (PbSe) cooled device provides excellent sensitivity for industrial carbon monoxide (CO) detection in harsh environments.

The two-stage, thermoelectrically-cooled, packaged device with integrated thermistor joins Opto Diode's B-Series IR detectors, all of which feature excellent performance and high reliability for long life. The BXT2-17TF provides additional sensitivity for low-level-emissions detection and enhanced temperature stability for use in harsh environments where temperatures are in constant flux.



The device has minimum responsivity of  $1.2 \times 10^5$  V/W with the active-element temperature controlled to  $-30$  °C. Housed in a standard TO37 can, the unit has a 2 mm<sup>2</sup> active area. Absolute ratings for storage and operating temperatures range from  $-40$  °C to  $+85$  °C. Additional uses include carbon monoxide gas analysis, environmental monitoring, process control systems, and industrial burner monitoring and control.

For more information about the two-stage, cooled IR detector, please contact [sales@optodiode.com](mailto:sales@optodiode.com) or visit: <http://optodiode.com/ir-detectors-bxt2-series.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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