

NEWS RELEASE

OPTO DIODE CORPORATION

An ITW Company
1260 Calle Suerte
Camarillo, CA 93012
Contact: Russell Dahl, Business Unit Manager
Phone: 805-499-0335 x312
Fax: 805-499-8108
E-mail: russdahl@optodiode.com
Web Site: www.optodiode.com

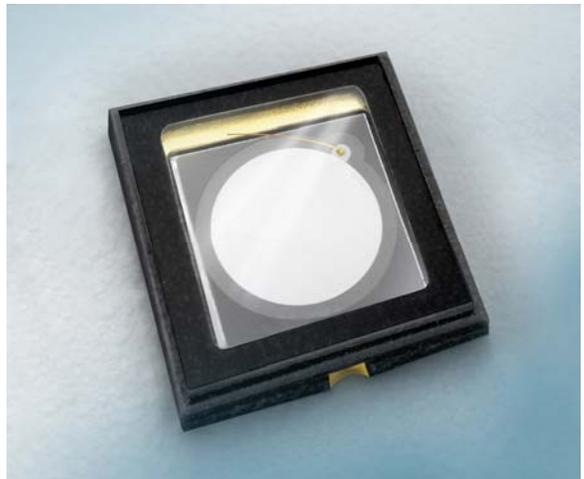
Media Contact: Marlene Moore
Smith Miller Moore
Phone: 818-708-1704
Email: marlene@smithmillermoore.com

For Immediate Release

Opto Diode's New NXIR-5C, Red to Near-IR Enhanced Surface-Mount Photodiode

CAMARILLO, Calif. - March 30, 2017 - Opto Diode Corporation, an ITW company, introduces the **NXIR-5C**, a red to near-infrared (NIR) enhanced photodiode with a circular active area of 5 mm². With a spectral response from 320 nm to 1100 nm, the rugged photodiode is housed in a custom 4.7 mm x 4.9 mm ceramic carrier surface-mount device (SMD) package. The new SMD joins the company's popular NXIR family of products that is optimized for the near-infrared spectrum.

The NXIR-5C provides superior responsivity with low reverse bias and high sensitivity at 0.62 A/W @ 850 nm and 0.35 A/W at 1064 nm. It has low dark current at 1nA, low capacitance of 5 picofarads (pF) at 10 volts, and high shunt resistance greater than 100 MΩ.



The NIR-enhanced detector is specially designed for laser monitoring, medical diagnostic equipment, industrial automation, scientific measurement, and military applications which require a wide operating temperature range from -40 degrees C to +125 degrees C. The robust package features an AR-coated window that provides greater than 98% transmission. The SMD is compliant with RoHS and REACH standards and is available on tape and reel.

To learn more about the company's expanding NXIR family of products that allows designers to meet challenging photonic requirements, including reducing space and cost, or to get volume pricing quotes, please 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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