

NEWS RELEASE

OPTO DIODE CORPORATION

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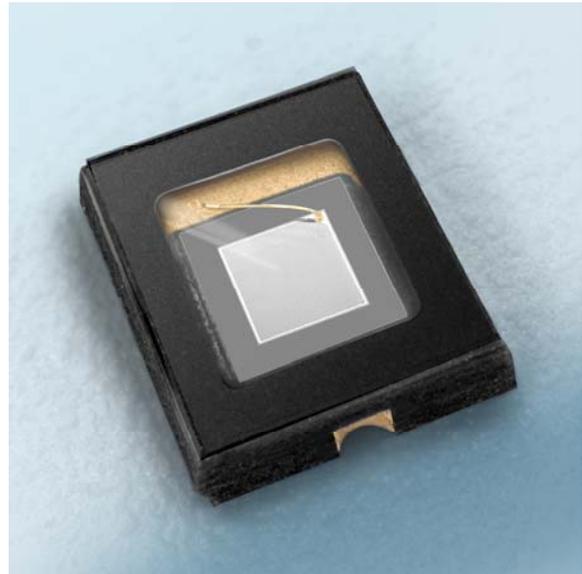
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For Immediate Release

Opto Diode Introduces Near-Infrared, Surface-Mount Detector

• New NXIR-RF100C near-infrared SMD photodiodes will be showcased at SPIE's Photonics West 2017, San Francisco, Jan. 31- Feb. 2 in Opto Diode's booth # 5628.

CAMARILLO, CA - January 30, 2017 - Opto Diode Corporation, an ITW company, introduces the **NXIR-RF100C**, a red and near-infrared (NIR) enhanced, reduced-footprint, surface-mount device (SMD) photodiode. Designed for a wide variety of applications, the new photodetector has spectral response from 320 to 1100 nm and can be used for laser-monitoring, rain, and sun-sensor applications. The rugged package is designed specifically for environments requiring extended temperature range from -40 °C to +125 °C and has an anti-reflective (AR) coated window that provides greater than 98 percent transmission. The new SMD expands the company's popular high-performance, through-hole photodiode packages, allowing designers to reduce space and cost.



The NXIR-RF100C has an active area of 1 mm² in a small 3 mm x 3.5 mm surface-mount package. The new device has high responsivity of 0.62 A/W @ 850 nm and 0.35 A/W @ 1064 nm. It also has low capacitance of 3 pico-farads (pF) at 0 volts, high shunt resistance, greater than 200 MΩ, and very low dark current at 0.1nA. Opto Diode's NXIR-RF100C detectors are available in high volume on tape and reel.

For more information on the new NIR, surface-mount NXIR series of photodetectors, or for volume pricing quotes, please contact: sales@optodiode.com. Please visit Opto Diode's booth # 5628 at Photonics West 2017, San Francisco, to learn more about the NXIR-RF100C and the expanded line of NXIR products.

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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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