NEWSRELEASE

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For Immediate Release

Opto Diode Introduces UVG100 Photodiode with 100 mm^2 Active Area

September 12, 2013 – Newbury Park, CA – Opto Diode (www.optodiode.com), a division of ITW**,** and a member of the ***ITW*** **Photonics Group**, introduces the UVG100 photodiode. The new photodetector features excellent ultraviolet (UV) response with a 100 mm^2 active area. Shipped with a temporary protective cover plate, the device delivers an unsurpassed 100 percent internal quantum efficiency (QE). After exposure to megajoules/cm^2, the UVG100 showed less than 2 percent responsivity loss.
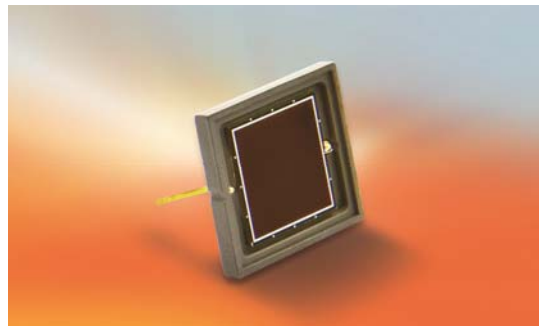
All of Opto Diode's IRD products are designed for long-lifetime operation in high-particle, flux environments with no loss of responsivity. The new UVG100 absolute photodiode features advanced performance with extremely high radiation hardness. The proprietary oxynitride front window ensures successful operation without performance degradation that often occurs with high humidity and other undesirable environmental conditions.

Responsivity under test conditions at 254 nm, is a minimum of 0.08, typical 0.09, and maximum 0.13 A/W. The rise time at 10V is a maximum of 10 microseconds. The shunt resistance at ± 10 mV is a minimum of 20 MOhms; the reverse breakdown voltage is typically 10 Volts; the capacitance is typically 10 nanofarads (nF) with a maximum of 20 nF.

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Ideal for applications that require extreme stability for the detection of vacuum ultraviolet and extreme ultraviolet photons, Opto Diode's UVG100 silicon photodiodes are in-stock and available for shipping now. For more information, please go to: http://optodiode.com/pdf/UVG100.pdf.

Opto Diode Corporation (www.optodiode.com) based in Newbury Park, California, is a member of the ITW Photonics Group, delivering high-performance, standard and custom photodetectors, and reliable, high quality, standard and custom infrared and visible LEDs. The company, with the recent acquisition of International Radiation Detectors, also designs and manufactures semiconductor radiation devices that detect photons in the UV range, X-rays, and other high energy particles. The domestic U. S. manufacturing plant includes a wafer fab and ensures delivery of volume quantities at competitive prices with short lead times. Opto Diode's rigorous quality control standards meet their customer's strictest requirements in a variety of industries, including test & measurement, biotechnology, medical, entertainment, military/defense, industrial, aerospace, automotive, R&D and more.

About *ITW* Photonics Group: ITW, a diversified manufacturer of advanced industrial technology, has brought together three of its photonics business units to form the ITW Photonics Group. The ITW Photonics Group was created to bring together and build on the technical expertise of three individual companies that specialize in photonics technology and span the full spectrum of wavelengths. The group consists of Lumex (LED and LCD technology, headquarters in Palatine, IL and Taiwan), Cal Sensors (IR detector and emitter technology, based in Santa Rosa, CA) and Opto Diode (LED, silicon photodiodes and electro-optical assembly technology, based in Newbury Park, CA).

The synergy of these industry frontrunners provides an unsurpassed range of photonic capabilities within a broad spectrum of markets, including medical, military and industrial controls. The ITW Photonics Group provides integrated solutions that encompass the technology and experience from all three business units, offering design engineers higher product performance with greater feature enhancements. For more information on the ITW Photonics Group, log onto www.itwphotonicsgroup.com.

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