

NEWSRELEASE

OPTO DIODE CORPORATION

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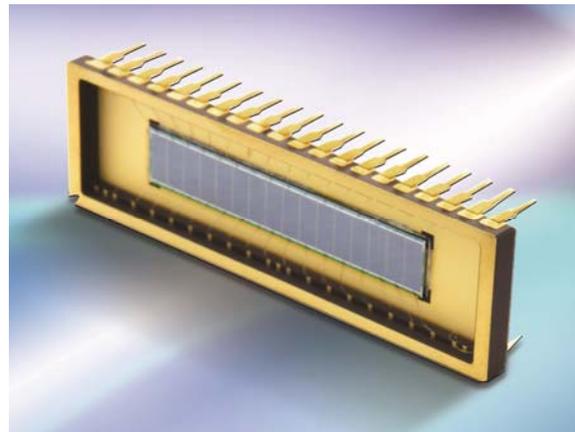
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For Immediate Release

Opto Diode's New 16-Element Photodiode for Electron Detection

May 20, 2013 – Newbury Park, CA – Opto Diode (www.optodiode.com), a division of ITW, and a member of the **ITW Photonics Group**, introduces a highly reliable, 16-element photodiode that is ideal for UV/EUV or electron detection. The new **AXUV16ELG** features a 40-pin dual in-line package, and unparalleled internal quantum efficiency (QE) at 100 percent.

The new photodiode is designed with a large, 2mm x 5mm active area and a sensitive area of 10mm² per element. To enhance accuracy, the 40-pin detector offers stable response after exposure to high energy electrons or photons. Other features include reverse breakdown voltage (V_R) at 25 Volts (typ.), capacitance of 40 pF, and a rise time of 500 nsec.



Storage and operating temperatures range from -10 degrees to 40 degrees C for ambient environments, and from -20 degrees to 80 degrees C for nitrogen or vacuum conditions. The maximum junction temperature is 70 degrees C and the lead-soldering temperature (0.080 in. from case for 10 seconds) is 260 degrees C. Opto Diode's new 16-element detectors are carefully packaged and shipped with temporary covers to protect the photodiodes and the wire bonds. For more information, please visit: www.optodiode.com/products.html#IRD-UV-Photodiodes.

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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