

NEWS RELEASE

OSI Optoelectronics, Inc.

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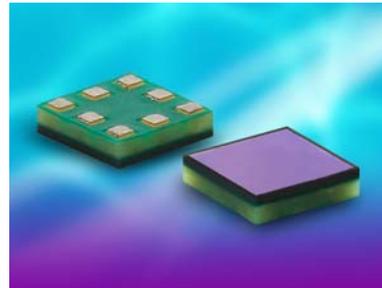
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For Immediate Release

OSI Optoelectronics Introduces Back-Illuminated Silicon Photodiodes

August 27, 2015 – Hawthorne, CA - OSI Optoelectronics (OSIO)

(www.osioptoelectronics.com), an OSI Systems Company and global supplier of high performance standard and OEM photodiodes, high-power light sources, and turnkey solutions, introduces the **BI-SMT Photodetector Series**. The new single-channel, back-illuminated silicon photodiodes are specifically designed to minimize any “dead” areas on the edges of the devices. Each photodiode is designed on a square surface mount package with dimensions similar to the actual chip. This makes it possible to have multiple detectors arranged in a tiled pattern for easy coupling to a scintillator.



There are currently three BI-SMT devices: the 33BI-SMT features an active area of 5.76 mm² (dimensions are 2.4 x 2.4 mm); the 55BI-SMT has a 19.36 mm² active area (4.4 x 4.4 mm dimensions); the 1010BI-SMT features a larger 88.36 mm² active area (9.4 x 9.4 mm dimensions). The typical peak spectral responsivity for all three photodiodes is 920 nm. The BI-SMT series are used in X-ray inspection, computed tomography, and general industrial tasks. Convenient and easy to integrate into new and/or existing systems, OSI Optoelectronics' unique devices feature chip size packaging, easy coupling to scintillators, and patterned electrodes. Operating temperatures range from -20°C ~ to +60° degrees C; storage temperatures range from -20°C ~ to +80° degrees C.

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OSI's BI-SMT photodiodes will be available for shipping December, 2015.
For more information about the company's new photodetectors for industrial and scientific applications, please visit: www.osioptoelectronics.com/.

OSI Optoelectronics, Inc. Hawthorne, California-(www.osioptoelectronics.com), a division of OSI Systems, is the global leader in design and manufacture of high performance standard, custom, and OEM silicon and InGaAs photodiodes. For over 40 years, we have developed and manufactured OEM and custom solutions for leading technologies and industries. We provide advanced optoelectronic components and sub-assemblies for aerospace and defense, security, inspection systems, medical, communications, and industrial automation applications.

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