

NEWS RELEASE

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For Immediate Release

OSI Optoelectronics Provides Optimized Nd:YAG Photodiodes for Military/Aerospace Applications

Hawthorne, Calif. – August 15, 2018 - OSI Optoelectronics (OSIO), an OSI Systems Company, offers high-response N-on-P YAG series of photodetectors that are optimized at 1060 nm for critical military and aerospace sensing applications. The YAG laser light wavelength combines with low capacitance, for high-speed operation and extremely low noise, making it useful for sensing low-light intensities. Features include large active areas, high breakdown voltages, high speeds, and highly-accurate photodetection.



The Nd:YAG optimized detectors are available as single-element and/or quadrant detectors, called the SPOT Series. The SPOT Series quad detectors are ideal for aiming and pointing applications. The N-on-P devices can be used in the photovoltaic mode for low-speed applications that require low noise. Alternatively, the optimized photodetectors can be utilized in the photoconductive mode, with an applied reverse bias, for high-speed applications.

Additional applications include laser pointing and positioning, position measurement tasks, surface profiling, and guidance systems. For ranging operations, OSI's optimized Nd:YAG photodiodes can sense light reflected from objects that are illuminated by a YAG laser beam.

To learn more about OSI Optoelectronics' 1060 nm-optimized Nd:YAG photodiodes, please visit: <http://osioptoelectronics.com/standard-products/silicon-photodiodes/nd-yag-optimized-photodiodes.aspx>. To view or download the single-element and quadrant Nd:YAG Series data sheet, please go to: <http://osioptoelectronics.com/Libraries/Datasheets/YAG-Photodiodes.sflb.ashx>.

OSI designs and manufactures a wide variety of optoelectronic products to support an extended range of military operations, including missile guidance, early warning systems, friend or foe (FOF) detection systems, laser guidance, satellites, range finding, smoke & fire detection, weapon simulation, fiber optics, radiation detection, as well as products for commercial and industrial applications. With ISO AS9100-2004 Aerospace certification and ITAR compliance, OSI's manufacturing capabilities are scalable from prototype to volume production.

For more information about the OSI Optoelectronics' components and assemblies for military and aerospace, please go here:

<http://www.osioptoelectronics.com/custom-oem-solutions/aerospace-defense.aspx>.

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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