

NEWS RELEASE

OSI Optoelectronics, Inc.

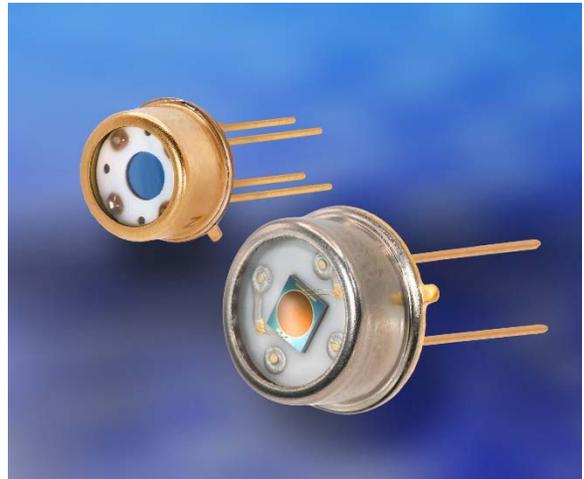
12525 Chadron Avenue
Hawthorne, CA 90250
Contact: Steven C. Cuffel
Phone: 310-978-0516
Fax: 310-644-1727
Email: SCuffel@optoelectronics.com
Web Site: www.osioptoelectronics.com

Media Contact: Marlene Moore
Smith Miller Moore
Email: marlene@smithmillermoore.com
Phone: 818-708-1704

For Immediate Release

OSI Optoelectronics Introduces Family of Two-Color Sandwich Photodiodes

Hawthorne, Calif. – July 18, 2022 – OSI Optoelectronics (www.osioptoelectronics.com), announces a series of **Two-Color Sandwich Detectors**, also called dual-sandwich detectors. The devices are specially designed for optical remote temperature measurements. OSI's family of dual-sandwich detectors includes an uncooled silicon-silicon detector and an uncooled silicon-InGaAs detector, plus the recently introduced silicon-InGaAs photodiode with a two-stage thermoelectric cooler (TEC). The detectors are highly resilient to volatile environmental conditions and maintain precise measurements across a broad temperature range.



Independent of emissivity and unaffected by contaminants in the field of view (FOV) or from moving targets, the two-color photodiode series works by taking the ratio of radiation intensities of two adjacent wavelengths and comparing them with the standard black body radiation curves. The products are ideal in applications where a wide wavelength range of detection is required, such as flame temperature sensing, spectrophotometers, infrared (IR) thermometers for heat treating, induction heating, and other metal parts processing. Additional applications include astronomy, aerospace, measurement analysis, chemical science tasks, engine temperature monitoring and infrared target detection.

The compact, low noise, hermetically sealed TO packaged devices are manufactured for photovoltaic operation with no bias, however, they can be biased to the maximum reverse voltage specified, if needed. To view spectral response graphs and learn more about the typical electro-optical specifications, thermistor specs, the two-stage TEC data, plus mechanical specifications on these dual-sandwich devices, please view the data sheet here: <https://osioptoelectronics.com/Libraries/Datasheets/Dual-Sandwich-Detectors.sflb.ashx>.

ABOUT THE COMPANY:

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.

#