

# NEWS RELEASE

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## **OSI Optoelectronics, Inc.**

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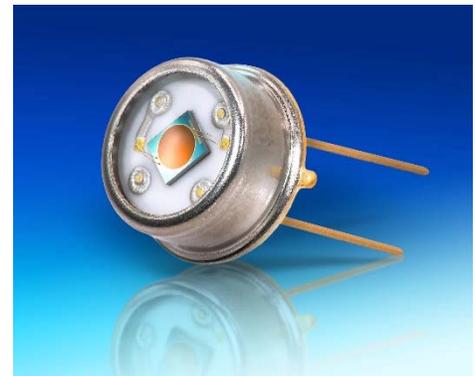
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For Immediate Release

## **OSI Optoelectronics Offers Dual-InGaAs Sandwich Detectors for Remote Optical Sensing**

**Hawthorne, Calif. – June 6, 2022 – OSI Optoelectronics** ([www.osioptoelectronics.com](http://www.osioptoelectronics.com)), announces its dual indium gallium arsenide (InGaAs) sandwich detector series for physical and chemical sciences, astronomy, aerospace, and measurement analysis applications.

Enclosed in compact, hermetically sealed TO packages, the two-color sandwich detectors feature low noise, fast response times, and high responsivity over a wide wavelength range. Available with or without an integrated thermoelectric cooler (TEC), these detectors are highly resilient to volatile environmental conditions and maintain precise measurements across a broad temperature range.



Typical applications for two-color detectors include spectrophotometers, flame temperature sensing, infrared thermometers for heat treating, induction heating, and metal parts processing.

Temperature analysis applications measuring radiant energy distributions against black-body radiation curves benefit from simultaneous sampling across two chips. The dual-color photodiodes are unaffected by contaminants in the field of view (FOV) or moving targets, making them ideal for applications such as engine temperature monitoring and infrared target detection.

OSI Optoelectronics also offers the following two-color photodetector configurations: Silicon-silicon, silicon-InGaAs and the silicon-InGaAs with a two-stage TEC.

To learn more about the company's dual sandwich detector series, please visit:

<https://osioptoelectronics.com/standard-products/silicon-photodiodes/two-color-sandwich-detectors.aspx>. To download the datasheet, go to:

<https://osioptoelectronics.com/Libraries/Datasheets/Dual-Sandwich-Detectors.sflb.ashx>.

## **ABOUT THE COMPANY:**

**OSI Optoelectronics, Inc.** Hawthorne, California ([www.osioptoelectronics.com](http://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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