

MEDIA ADVISORY

September 8, 2021

Excelitas Technologies to Present and Showcase New Detection and Sensing Innovations at Sensors Converge

WHO: [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, will showcase its latest detection and sensing innovations at [Sensors Converge](#). Excelitas Applications Engineer, Infrared Detection, Prometeusz Jasinski, Ph.D. will also present a Tech Talk entitled, “Electromagnetic Interference (EMI) with Pyroelectric Sensors.”

WHAT: Expert staff will be available in-person at Excelitas booth #1032 to discuss the company’s featured photonic technology, which includes:

- [Generation 2 905 nm High-Volume Pulsed Semiconductor Laser Diode](#): Offered in the same cost efficient plastic TO package as generation 1 lasers, Excelitas’ generation 2 905 nm High-Volume Pulsed Semiconductor Laser Diode provides an increase of more than 20% in optical power for the same drive current. Featuring the same electrical characteristics as generation 1 lasers, generation 2 lasers can be dropped into existing circuits, providing more power and range. Alternatively, for battery-operated systems, the current consumption can be turned down while providing the same level of optical power, prolonging battery life while maintaining range performance.
- [C30737MH Surface Mount Silicon Avalanche Photodiode \(APD\)](#): Offered in a variety of active areas and optimized for either 800 nm or 900 nm, the Excelitas C30737MH APD product family is ideal for range finding or LiDAR system applications. Provided in a highly compact SMD package measuring only 1.75 x 2.00 mm, fully compatible with automated pick and place tools, the C30737MH is Excelitas’ smallest, most cost efficient Silicon APD offering.
- [Surface Mount InGaAs PIN](#) and [Surface Mount InGaAs APD](#): Available in a highly compact ceramic SMD package with sealed window, Excelitas offers both InGaAs APDs and PINs, in a variety of active area diameters. These detectors are perfect for range finding or LiDAR applications requiring detection in the 850 nm - 1700 nm wavelength range, delivering high performance in a compact form factor.
- [Optical Receivers C30659 and LLAM Families](#): Combining our high-performance Silicon and InGaAs APDs with discrete trans-impedance amplifiers (TIAs), these receivers provide the highest available level of performance with best-in-class noise performance for optical signal-to-noise ratio. The LLAM takes the high performance architecture of the C30659 family and brings it to the next level by adding a thermal electric cooler to further reduce the noise level.

WHEN: September 21 – September 23, 2021
[EMI with Pyroelectric Sensors Session](#), September 21, 4:15 pm - 4:30 pm PDT

WHERE: [San Jose McEnergy Convention Center](#), San Jose, CA, Excelitas Booth #1032.



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About Excelitas Technologies

Excelitas Technologies® Corp. is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the lighting, optical, optronic, and detection needs of our OEM customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their end-markets. Our team consists of 7,000 professionals working across North America, Europe and Asia, to serve customers worldwide. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#). Visit www.excelitas.com for more information

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