

The 1550UA Series Low-Cost Metal Housing Offers an Alternative to Plastic Packaged PLDs

The 1550UA Series is a new addition to the existing line of high-quality and affordable high-volume Pulsed Laser Diodes (PLDs) from LASER COMPONENTS Canada. This is in addition to the 905UA Series but now at a higher wavelength. The 1550UA Series offers a hermetically sealed metal housing featuring optimal thermal stability, excellent overdrive capabilities, and precise chip alignment. System integrators can take advantage of high-volume production without reducing the reliability of a system.

Mainly being used in Time-of-Flight (ToF), and Laser Range Finding (LRF) systems, the 1550 nm solution will improve the transmission through rain, fog, snow, and other harsh weather for Defense & Aerospace, and automotive LiDAR applications. Additionally, the added benefit of using the higher wavelength of 1550 nm improves eye safety compared to 905 nm lasers.

For customers considering upgrading from commercial-grade PLDs to higher-resolution, the 1550UA Series is a cost-effective solution. It is capable of operating at -45 to 85°C, to withstand the difficult conditions of various environments. Available in a TO-56 package with multiple sources sizes, the 1550UA Series can also be customized to meet the needs of each area of use.

Learn more about: <https://www.lasercomponents.com/us/product/1550-nm-pulsed-laser-diodes/>

The Company

Since its establishment in 1982, LASER COMPONENTS has always defined itself as a solution provider for optical and optoelectronic technologies. The customer spectrum of the owner-managed family company covers all industries that utilize light. With more than 260 employees at seven locations on two continents, the company group generates around 60 percent of its sales with products from its own production including laser optics, avalanche photodiodes, pulsed laser diodes, InGaAs Detectors, Lead Salt Detectors, pyroelectric detectors, laser modules, photon counters and fiber optic assemblies.

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