KAUKAS 3

DPSS Laser, ns Pulsed, 1534 nm, >3 mJ, SS-1 Hz, <8 ns

Key Features:

1534 nm "eye-safe" wavelength Compact, low SWaP, and robust design LAB, LAB-OEM & OEM versions Integration into portable devices Configurable & customizable Single Shot to 1 Hz rep. rate High-quality TEMOO beam 10-40°C operating temp. range -20-60°C for OEM version

There are many configurations and options available. If you do not see exactly what you need below, please contact us!

Need Quantities? Have a question?

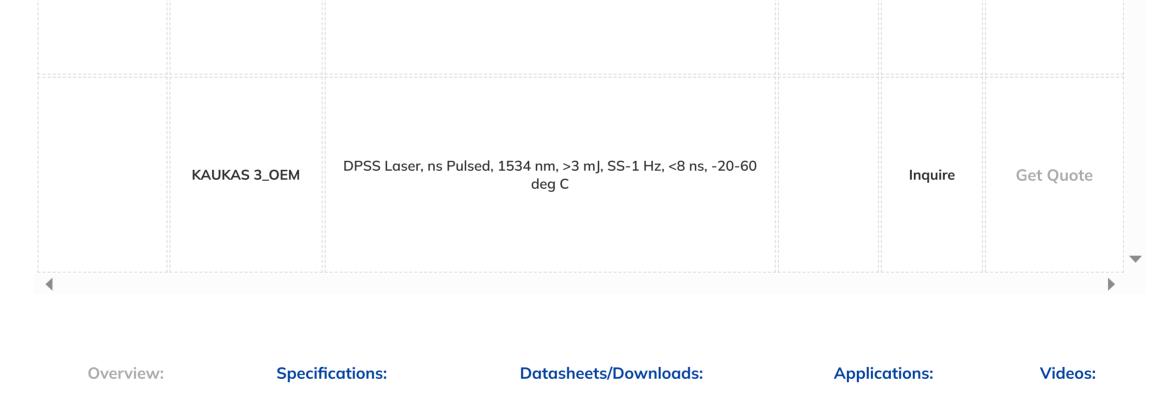
Get Answers





POPULAR CONFIGURATIONS:

Picture	Part Number	Part Description	Datasheet	Lead Time		
	KAUKAS 3_LAB	DPSS Laser, ns Pulsed, 1534 nm, >3 mJ, SS-1 Hz, <8 ns, 10-40 deg C, w/ power supply & driver		Inquire	Get Quote	
	KAUKAS 3_LAB- OEM	DPSS Laser, ns Pulsed, 1534 nm, >3 mJ, SS-1 Hz, <8 ns, 10-40 deg C		Inquire	Get Quote	



The KAUKAS series is a compact, low-SWaP line of 1.54µm "eye-safe" Er:glass lasers. These nanosecond pulsed lasers feature a compact design that makes them suitable for integration into handheld, portable devices. The lasers deliver high pulse energy, repetition rates up to 5Hz, less than 3% energy stability, and a high-quality TEMOO beam. With configurable and customizable options, these features make the KAUKAS series a versatile choice for various applications such as LIDAR & laser ranging, LIBS, metrology, and instrumentation.

Benefits:

Eye-safe: Ensures safety during operation as the lasers operate at a wavelength that is not harmful to the retina under normal conditions.
Robust, low-SWaP Design: Allows for easy integration into handheld and portable devices deployed in harsh environments.
OEM Version Available: Provides flexibility for dedicated applications with a customizable OEM and LAB-OEM version.
High Pulse Energy: Enables high-performance operation with high energy per pulse.
Stable Performance: Guarantees reliable results with less than 3% energy stability.
Good Beam Quality: Ensures precise results with an M2 value of less than 2 and a TEMOO beam profile.
Peace of Mind: 1-year manufacturer warranty and ≈ 1G-shot rated lifetime.

If you have any questions or need more information, please contact us.

HOW CAN WE HELP YOU?

Talk to one of our experienced product managers today!



PULSED LASERS FAQS

What is a Pulsed Laser?	+
What is the best laser for LIDAR?	+
What is the best laser for tattoo removal?	+
What is the best laser type for multi-photon microscopy?	+
What is the difference between active and passive q-switching?	+
What type of laser is used for LIBS?	+
Which IR laser is best for laser target designation?	+

PULSED LASERS BLOG POSTS

Pick a Color, Any Color! Versatile, User-Friendly, Tunable OPO Laser Custom, Integrated System Platforms for Customer-Specific Applications Want to Minimize Your LIDAR Footprint, Cost, and Energy Consumption? What is a Thin Disk Laser, and What Advantages Do They Offer? The Advantages and Disadvantages of Passive vs Active Q-Switching QCLs & New Low-Cost IR Sensors Open Door for Many OEM Opportunities OEM Fiber Lasers for Industrial Laser Induced Breakdown Spectroscopy Microchip Lasers: Fully Integrated Modules for LIDAR & 3D Scanning Laser Source Requirements for Modern Laser Designator Systems Replacement Laser for Discontinued Coherent Helios

PULSED LASERS WHITE PAPERS

neoMOS Laser Systems: Flexible and Versatile Solutions for Any Application Laser Requirements for Time Gated Active Night Vision Imaging Systems Laser Requirements for Wind Turbine Monitoring LiDAR Systems Single Frequency Fiber Lasers for Doppler LiDAR How Mode-Locked Lasers Affect the Past, Present, and Future of Two-Photon Microscopy Laser Sources for Lidar Applications