



"Eye-safe" 1,54 μm ns lasers "KAUKAS 2"

Main features

- Compact robust design
- Wide operating temperature range
- 2 mJ energy model
- OEM version available

Application examples

- LIDAR & Laser Ranging
- LIBS
- Metrology and instrumentation

„Eye-safe“ 1,54 μm wavelength nanosecond lasers series „KAUKAS 2“ possess a unique compact design and are available in OEM models for dedicated applications such as LIDAR or laser ranging. „Eye-safe“ 1,54 μm wavelength lasers model „KAUKAS 2“ delivers up to 2 mJ energy per pulse with a repetition rate of up to 2 Hz.

Standard specifications

LASERS "KAUKAS 2" STANDARD SPECIFICATIONS	
Wavelength	1534 nm
Wavelength tolerance	± 1 nm
Repetition rate	SS - 2 Hz
Pulse energy	>2 mJ
Energy stability, STD	<3 %
Pulse duration	<11 ns
Beam diameter at exit window	<1 mm
Beam quality	$M^2 < 2$
Beam profile	TEM ₀₀

Standard products

LASER MODEL	WAVELENGTH	REPETITION RATE	PULSE ENERGY	PULSE DURATION	OPERATING TEMPERATURE	WEIGHT	POWER SUPPLY AND DRIVER	SKU
KAUKAS 2	1534 nm	SS-2Hz	>2 mJ	<11 ns	-20°C to +60°C	0,1 kg	Excluded	30828
					+10°C to +40°C	0,1 kg	Excluded	30920
					+10°C to +40°C	0,1 kg	Included	30943

Utility requirements

LASERS "KAUKAS 2" UTILITY REQUIREMENTS	
Laser module dimensions	61 x 33 x 29,5 mm (L x W x H)
Laser driver dimensions	128 x 83 x 48 mm (L x W x H)
Pump current	<100 A
Pump duration	<4 ms
Electric	100-240 V AC, 20 A, 50/60 Hz
Working temperature	-20 °C - +60 °C
Cooling	Passive air cooling


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