

HOLMIUM PULSE FIBER LASER



Overview

HOLMIUM PULSE FIBER LASER has a full fiber construction and operates in the mode of passive Q-switching. The device emits a spectral line in the mid-infrared region of the optical spectrum. The working wavelength of laser radiation is 2100 nm. Peak optical power is 5 kW. Pulse duration is 20 ns.

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Key Features

- There is no fiber combiners and expensive pumping
- Power stability
- High reliability and efficiency

Technical Description

Parameter	Value
Operating Wavelength	2100 ± 0.2 nm
Spectral line width	0.2 ± 0.05 nm
Average output power	2 ± 0.2 W
Operation mode	pulse
Peak output power	3 ± 0.1 kW
Pulse repetition rate	10 - 35 kHz
Pulse duration	20 ns
Pulse energy	60 μJ
Diameter of the mode field	10 ± 0.5 μm
Radiation quality	TEM ₀₀ (M ₂ < 1.12)
Optical Output Fiber	8/125/250 μm
Numerical aperture	0.15
Supply voltage	220 V, 50 Hz
Warm-up time	5 sec.
Dimensions	270x230x25 mm
Air humidity	Up to 80% (non-condensing)
Operating temperature	- 10 to + 50 C°

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