Leningrad Laser Systems

RAMAN FIBER LASER 1265 NM

www.lenlasers.com

Overview

RAMAN (on the effect of the SRS) FIBER LASER has a full fiber construction. The device emits a spectral line in the mid-infrared region of the optical spectrum. The working wavelength of laser radiation is 1265 nm. Output optical power is 12 W.

Rational, economically promising technical solution was applied during the development of this laser source. There are no fiber combiners in the device.

Key Features

- Fully fiber architecture
- Power stability
- High reliability and efficiency

Technical Description

Parameter	Value
Operating Wavelength	1265 ± 0.2 nm
Spectral line width	0.1 ± 0.05 nm
Average output power	Up to 12 ± 1 W
Operation mode	CW
Diameter of the mode field	7 ± 0.5 μm
Radiation quality	TEM_{00} (M2 < 1.12)
Optical Output Fiber	6/125/250 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°

JSC Leningrad Laser Systems
www.lenlasers.com
199034, Saint-Petersburg, Birzhevaya line, 16,
Technopark of ITMO University, office 401
tel. +7 (812) 906-14-46
e-mail: info@lenlasers.com