RLR-200-1728

Raman Fiber Laser

Custom Wavelengths for Various Applications

NEW

FEATURES

- Wavelength 1728 nm*
- Optional Linear Polarization
- Output Power up to 200 W**
- Water Cooled
- Single-mode Fiber Output
- Compact Rugged Package

* Customer Selected Wavelengths in 1100 to 1800 nm are available upon request.
** Maximum output power may be limited by wavelength selection. Custom power levels are available. Output powers >500 W can be manufactured upon request.

APPLICATIONS

- Polymer Welding
- Medical Applications
- Laser and Remote Amplifier Pumping
- Sensing and Detection Applications
- Scientific and Advanced Applications

RLR-200-1728 are highly-efficient single-mode CW Raman fiber lasers providing 200 W output power at 1728 nm. Raman fiber lasers are based on IPG efficient and reliable fiber laser technologies and are offered as either compact OEM modules or end-user friendly 19” rack mountable units. The all fiber construction allows for full range of output power adjustment without any change in power stability and beam mode parameters. Wavelengths in 1100-1800 nm range, higher output powers and linear polarization is available upon request. Raman fiber lasers are used in materials processing, pumping, polymer welding, sensing/detection systems and other scientific and commercial applications.

RLR-200-1728

Raman Fiber Laser

Optical Characteristics	
Central Wavelength*, nm	1728
Linewidth FWHM, nm	1 - 3 typ.
Mode of Operation	CW
Maximum Average Power*, W	200
Power Tunability, %	10 - 100
Power Stability**, %	±2
Optical Noise, % RMS (1 kHz - 1 MHz)	≤2 typ.
Polarization	Random, Linear option upon request
Beam Quality, M^2	≤1.1

* Custom wavelengths in 1100-1800 nm can be provided on request. Custom power levels up to 500 W are available, but maximum output power is limited by wavelength selection.
** Over 4 hours, T=const

General Characteristics	
Module Dimensions (W × H × D)*, mm	448 x 577 x 133
Weight, kg	<35
Supply Voltage, VDC	Single-phase 200-240 VAC, 50/60 Hz
Maximum Power Consumption, W	1500

* Air-cooled modules are offered upon request.

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