

# RLM-1278-200

## Raman Fiber Laser

Custom Wavelengths  
for Various Applications

**NEW**



### FEATURES

- ▶ Wavelength 1278 nm\*
- ▶ Optional Linear Polarization
- ▶ Output Power up to 200 W\*\*
- ▶ Air or 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
- ▶ Telecom Applications
- ▶ Scientific and Advanced Applications



**RLM-1278-200** are highly-efficient single-mode CW Raman fiber lasers providing with 200 W output power at 1278 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, telecom, sensing/detection systems and other scientific and commercial applications.

# RLM-1278-200

## Raman Fiber Laser

Optical Characteristics	
Central Wavelength*, nm	1278
Linewidth FWHM, nm	1 - 3 typ.
Mode of Operation	CW
Maximum Average Power*, W	300
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 <sup>2</sup>	≤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.

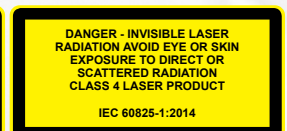
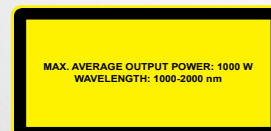
\*\* Over 4 hours, T=const

General Characteristics	
Module Dimensions (W × H × D)*, mm	355 × 407 × 54
Weight, kg	<30
Supply Voltage, VDC	48
Maximum Power Consumption, W	1500

\* Air-cooled modules and RLR rack-mountable lasers are offered upon request.



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