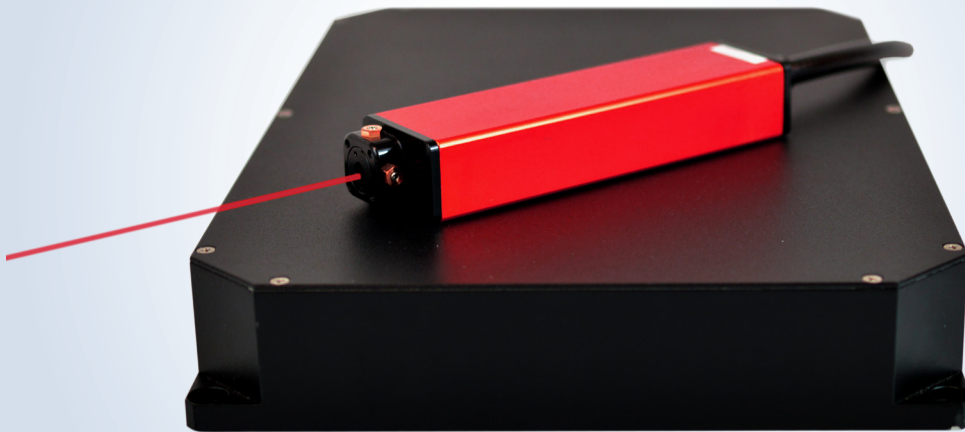


RFL-630-20-M

Red Raman Fiber Laser

NEW PRODUCT



Applications

- ▶ Defense & Security
- ▶ Entertainment
- ▶ Materials Processing
- ▶ Medical Diagnostics/Therapy
- ▶ Holography
- ▶ Spectroscopy
- ▶ Flow Cytometry



Features

- ▶ Choice of Wavelength
615-650 nm
- ▶ Output Power up to 20 W
- ▶ Beam Quality $M^2= 1.1$
- ▶ Telecom Reliability
- ▶ Compact & Low Cost
- ▶ Industrial Performance

IPG Photonics' NEW RFL-630 Series is a family of highly-efficient single-mode CW red Raman fiber lasers with output powers up to 20 W. Customers can select a central wavelength in the range 615-650 nm. RFL series lasers are based on IPG's efficient and reliable fiber laser technologies and feature a super-compact lightweight optical head, connected with a fiber cable to a small air-cooled control module. The all fiber construction allows for full range of output power without any change in power stability and beam mode parameters.

The RFL-630 Series red CW lasers address a variety of applications from materials processing and medical to scientific and entertainment.

RFL-630-20-M

Red Raman Fiber Laser

Optical Characteristics

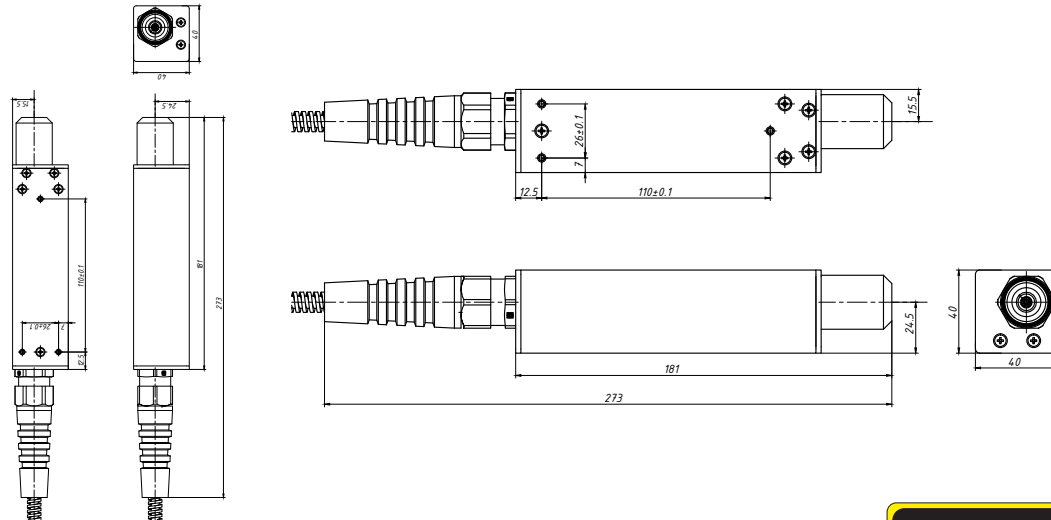
Central Wavelength Range ¹ , nm	615-650, typ. 630
Linewidth FWHM, nm	<0.25
Mode of Operation	CW
Average Power, W	up to 20
Power Tunability, %	10-100
Power Stability ² , %	±2
Polarization	Linear, >100:1
Beam Quality, M ²	TEM ₀₀ , 1.1

¹ Custom central wavelengths available upon request

² Over 8 hours, T= const

General Characteristics

Module Dimensions, mm	205 x 385 x 44
Optical Head Dimensions, mm	40 x 273 x 40
Cooling	Air-cooled, Thermoconductive Bottom
Supply Voltage, VDC	24
Power Consumption, W	400



+1 (508) 373-1100
 sales.us@ipgphotonics.com
www.ipgphotonics.com

Legal notices: All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind IPG only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with use of a product or its application. IPG, IPG Photonics, The Power to Transform and IPG Photonics' logo are trademarks of IPG Photonics Corporation. © 2014 IPG Photonics Corporation. All rights reserved.

