



A Furukawa Company

## Raman Fiber Laser Module



### Features and Benefits

- Wavelengths available from 1 to 1.8  $\mu\text{m}$
- High output power, up to 100W at 1480 nm
- Single-mode fiber output

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### Overview

Development of the new Raman Laser Module was driven by increasing demand for high power output over a broad wavelength range for a wide variety of industrial and scientific applications. The Raman Fiber Laser Module builds upon the TrueMode™ Fiber Laser Cavity family designed for kilowatt single-mode fiber lasers for industrial machining and welding. OFS, a global market leader in the design and manufacture of rare-earth doped fibers, possess the expertise and experience in fiber fabrication necessary to meet that demand. OFS has been developing and manufacturing high-power components and modules for many years and understands the reliability standards expected in the diverse material processing applications.

### Typical Applications

High Brightness Fiber Laser Pumping  
Pump Source for Solid State Lasers  
Medical Applications  
Test and Measurement

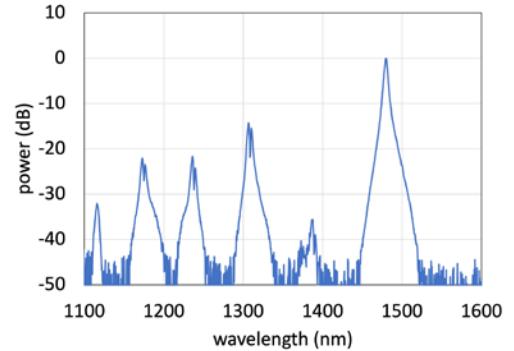


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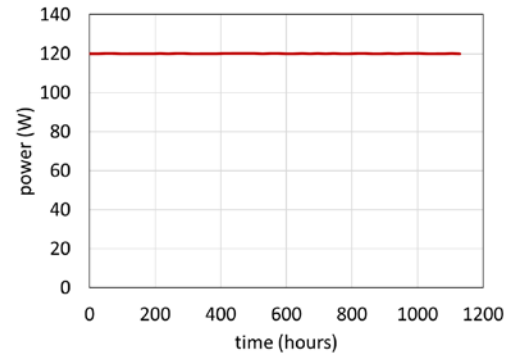
# Raman Fiber Laser Module

## Product Specifications

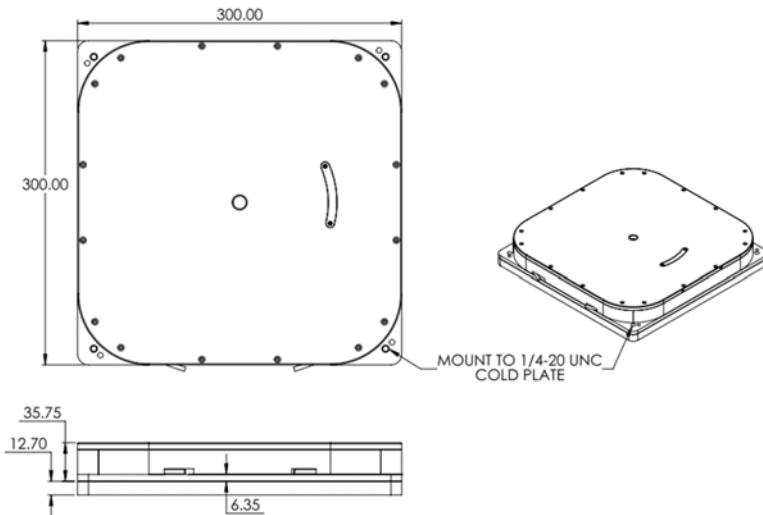
In-band power	Up to 100W @ 1480 nm
Output fiber type	Single-mode
Output fiber clad diameter	125 μm
Output fiber buffer diameter	250 μm
Output fiber coating	High Index
Output fiber length	≥ 2m
Coating Diameter	250 μm
Output monitor photodiode	Included
Back-reflection monitor	Included
Cooling	Water cooled cold plate (optional)
Customer supplied	Diode modules and power supply



Output spectrum from a typical 1480 nm Raman laser



1000-hour burn-in of a 100W, 1480 nm Raman laser



For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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