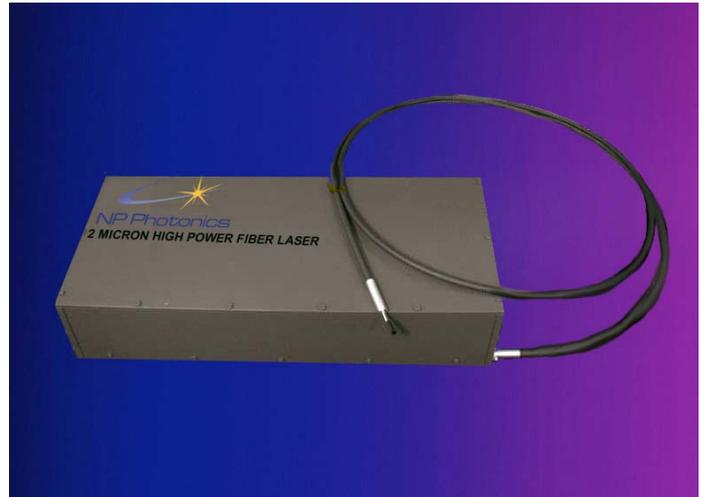


We Care About **Noise!**



2 Micron High Power Fiber Laser Source

PRODUCT DATA SHEET

Leveraging its expertise in highly-doped germanate glass and fibers, NP Photonics offers a Thulium-doped fiber laser at 2- μm with an output power up to 25 W. The system comes in user-friendly configuration as a turnkey source. The laser module is housed in an acoustically damped package used to isolate the DBR laser cavity and results in stable operation over extended periods. The output from the delivery fiber is single transverse mode. The system is an ideal configuration for a laboratory environment.

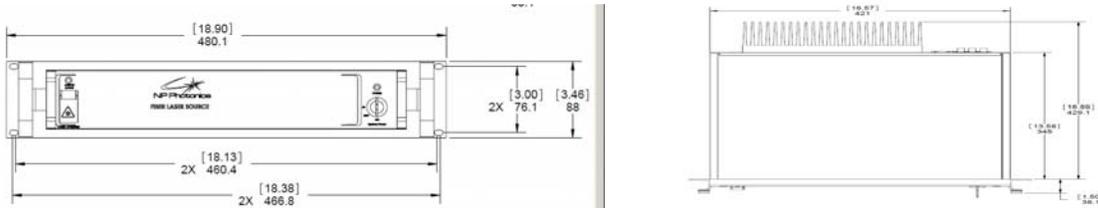
Applications include

- Coherent Doppler Lidar
- Differential Absorption Lidar (DIALs)

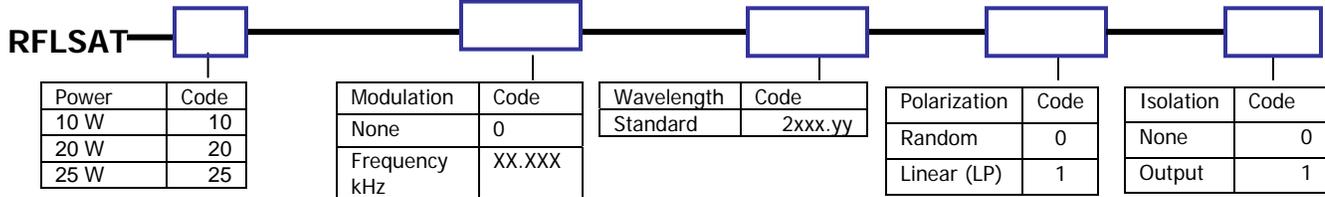
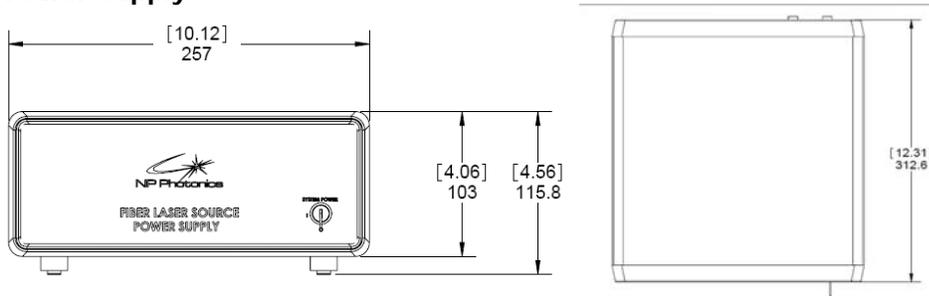
PRODUCT SPECIFICATIONS

Parameter	Value
Operating Wavelength Range	1.9 um – 2.0 um (selectable)
Output Power	10 W, 20 W, 25W
Output Spectral Bandwidth	< 0.1 nm
Mode of Operation	Continuous wave (CW), Modulated (up to 10kHz)
Output Power Stability	+/- 3%
Output Beam Mode	Single Mode ($M^2 < 1.1$)
Optical Transport Fiber Length from Fiber Laser Unit	2 m
Package Dimension (Fiber Laser Unit)	14.5" X 6.5" X 3.25" (approximate)
Package Dimension (Power Supply Unit)	8.5" (W) X 17" (D) X 1.75" (H) (approximate)

Mechanical Outline: Laser Head



Power Supply



NP Photonics Fiber Laser Sources are protected by a 12 month warranty. All components and assemblies are unconditionally warranted to be free of defects in workmanship and materials for the warranty period, beginning from the date of shipment. This warranty is in lieu of all other warranties, expressed or implied, and does not cover incidental or consequential loss. This warranty does not apply to devices damaged due to operating conditions outside of the specified parameters. Modified warranties for OEM customers are available.

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Specifications subject to change without notice
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