

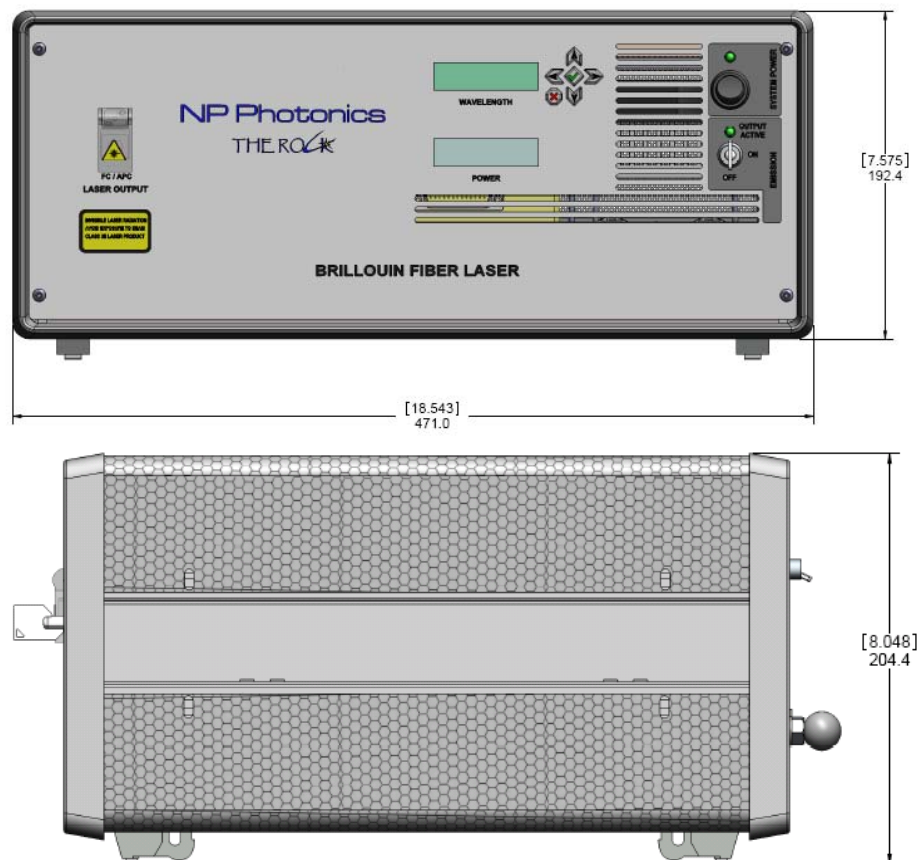
The Rock™ Brillouin Laser System



Features

- Extremely narrow linewidth 200 Hz
- Center wavelength over 1530-1565 nm
- 25 mW output power
- Single longitudinal mode
- Single polarization operation
- Integrated locking loop
- Integrated RIN reduction
- High wavelength stability
- Microprocessor control
- Easy tuning from front panel
- RS232 interface
- Wavelength display
- Power read-out

Mechanical Outline:



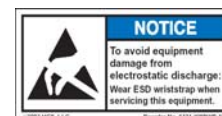
Performance | Reliability | Innovation

PRODUCT SPECIFICATIONS

Parameter	Values
Wavelength Range	1530–1565 nm
Output Power	25 mW
Longitudinal Mode	Single Frequency
Wavelength Accuracy	50 MHz
Spectral Line Width	~ 200 Hz
Relative Intensity Noise (RIN) @ Peak ~ 1 MHz	< -120 dB/Hz
Relative Intensity Noise (RIN) > 50 MHz	< 155 dB/Hz
Signal to ASE Noise Ratio (50 pm, bandwidth)	> 65 d
Side Mode Suppression Ratio (SMSR)	> 50 d
Polarization Extinction Ratio (PER)	> 25 B
Tuning Range	30 GHz
Power Stability over Hours	± 2%
Connectors	FC/APC
Package Dimension	471 x 362 x 204 mm

Ordering Example: BRFLS-25-1-1550.XX = Brillouin Rock Fiber Laser System, 25 mW output power, tuning, with a wavelength at 1550.XX nm.

BRFLS		—	<div></div>	—	<div></div>	—	<div></div>
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Power	Code	Tunability	Code	Wavelength	Code		
25 mW	25	None	0	Standard	15XX.XX		
		Tuning	1	Or ITU Grid	HXX/CXX		
				Generic +/- 2 nm	15XX		



NP Photonics Rock 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. 08-09 Rev. 4