1520nm 20mW Narrow Linewidth Single-Frequency Fiber Laser Source



Product Description

The narrow linewidth single-frequency fiber laser source features high efficiency, excellent beam quality, compact design, and high stability and reliability. It is widely used in industrial processing, material treatment, medical, scientific research, and communication fields.

Product features

Ultra-narrow linewidth; Single-frequency output; Low noise performance; All-fiber structure; Air-cooled package

Part Number

MP-NL-1520-20-5k-B

Application area

Coherent optical communication | Fiber optic sensing | Lidar | Quantum technology | High-precision measurement

Core parameters

Center Wavelength	Average Power	Linewidth	ASE Suppression
1520nm	20mW	<5kHz	>50dB

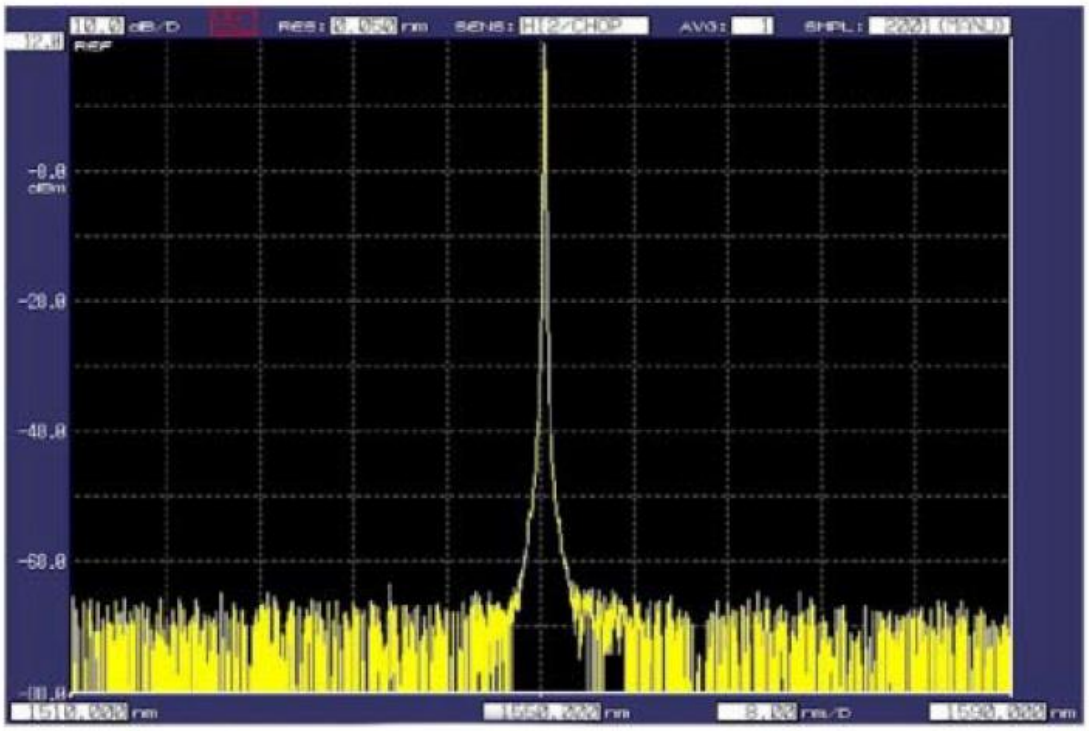
General Parameters

Detailed Parameter

Parameter	Unit	1.5 μm
Center Wavelength	nm	1520-1580
Center Wavelength Accuracy	nm	±0.05
Linewidth	kHz	<5
Output Power	mW	20, >50
ASE Suppression	dB	> 50
Output Fiber Type		SMF28-e, PM1550
Output Connector		FC, ST, SC or collimated

Polarization		Linear or Random
Operating Temperature	°C	0-50
Dimensions	mm	70 x 190 x 310

Characteristic Curves



1550nm