

1550nm High Power SM Fiber Laser 10W



● Product Description

With optimized optical properties, 1550nm single-mode DFB is an ideal choice for demanding sensing system applications. The innovative chip design has suppressed high-order longitudinal and transverse modes while maintaining linear polarization stability. The laser has high output power (Max. 50W output), narrow line width and good consistency, and is currently favored by domestic scientific research customers. At present, our existing inventory wavelengths cover 1000-2400nm. For certain specific



areas of use of customers, we can provide customers with customized chip screening services.

- **Product features**

Ultra-narrow linewidth: <10MHz、 No mode hopping、 High stability and reliability、 Continuously adjustable output power, with LCD status display.

- **Part Number**

MP-FLS-1550-B-10-SA

- **Application area**

LAN/WAN communication system、 CATV System、 Test Measurement、
Other scientific research

- **Core parameters**

Wavelength	Output Power	Fiber Mode
1550nm	10W	SMF-28e

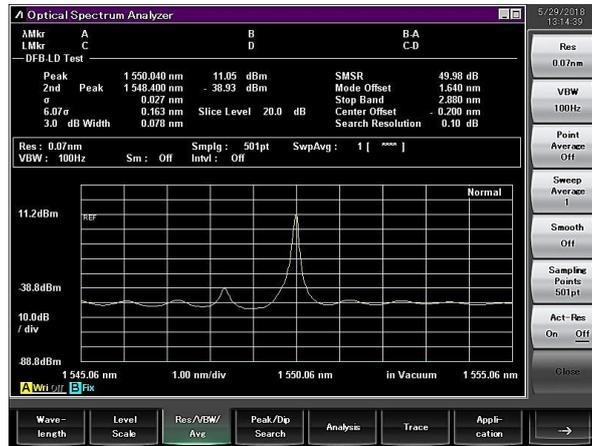
● General Parameters

Parameters

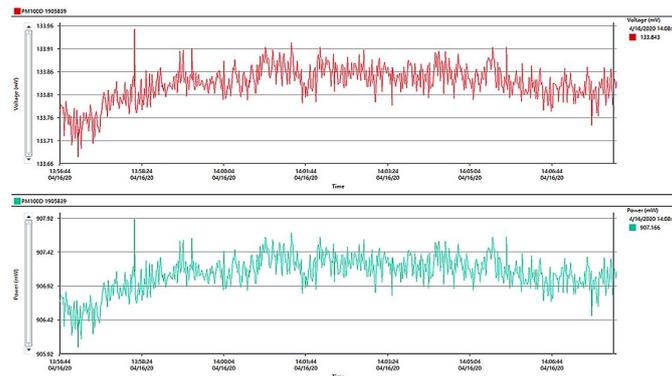
Parameters		Min.	Typ.	Max.	Unit
Peak operating wavelength		-	1550	-	nm
Output power	SM	-	10	50	W
	PM	-	10	20	W
SMSR		20	25	35	dB
Output polarization extinction ratio (PER)		20	-	-	dB
Output power stability (15 minutes)		-	±0.1	±0.5	%
Output power stability (8 hours)		-	±0.5	±1.0	%
Output power adjustment range		0	-	100	%
Output power regulation mode		Coarse/ Fine adjustment			
Operating voltage		170	220	260	V
Operating temperature		0	-	35	°C
Storage temperature		-40	-	85	°C
Output fiber type	SM	SMF-28e@<10w			W
	PM	PM 9/ 125um @<10w			W
Output fiber length		>1			m
Output fiber connector		FC/ APC			
Dimensions		Rack-mounted customization available			mm



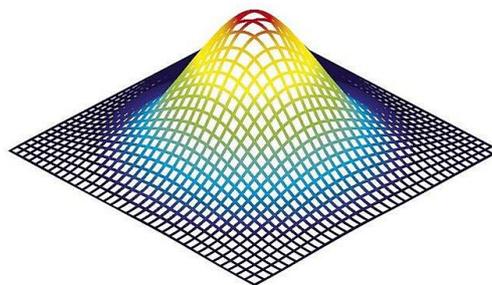
Spectrum



Power stability



Beam quality





Ordering info

A. Model: MP-FLS-1550-B-2-SA Description:

Center wavelength: 1550nm, wavelength deviation: ± 1 nm, output power: 2W,
2U rack-mounted packaging, single-mode SMF-28E output, FC/APC connector

B.A. Model: MP-FLS-1550-B-10-SA Description:

Center wavelength: 1550nm, wavelength deviation: ± 1 nm, output power: 10W,
2U rack-mounted packaging, single-mode SMF-28E output, FC/APC connector

E. Model: MP-FLS-1550-B-2-PA Description:

Center wavelength: 1550nm, wavelength deviation: ± 1 nm, output power: 2W,
2U rack-mounted packaging, single-mode PM1550 output, FC/APC connector

F. Model: MP-FLS-1550-B-10-PA Description:

Center wavelength: 1550nm, wavelength deviation: ± 1 nm, output power: 10W,
2U rack-mounted packaging, single-mode PM1550 output, FC/APC connector

C. Model: MP-FLS-1064-B-2-SA Description:

Center wavelength: 1064nm, wavelength deviation: ± 1 nm, output power: 2W,
2U rack-mounted packaging, single-mode SM-GSF-10/125 output, FC/APC



connector

D. Model: MP-FLS-1064-B-10-SA Description:

Center wavelength: 1064nm, wavelength deviation: ± 1 nm, output power: 10W,
2U rack-mounted packaging, single-mode SM-GSF-10/125 output, FC/APC
connector

G. Model: MP-FLS-1064-B-2-PA Description:

Center wavelength: 1064nm, wavelength deviation: ± 1 nm, output power: 2W,
2U rack-mounted packaging, single-mode PM-10/125 output, FC/APC connector

H. Model: MP-FLS-1064-B-10-PA Description:

Center wavelength: 1064nm, wavelength deviation: ± 1 nm, output power: 10W,
2U rack-mounted packaging, single-mode PM-10/125 output, FC/APC connector