

## 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

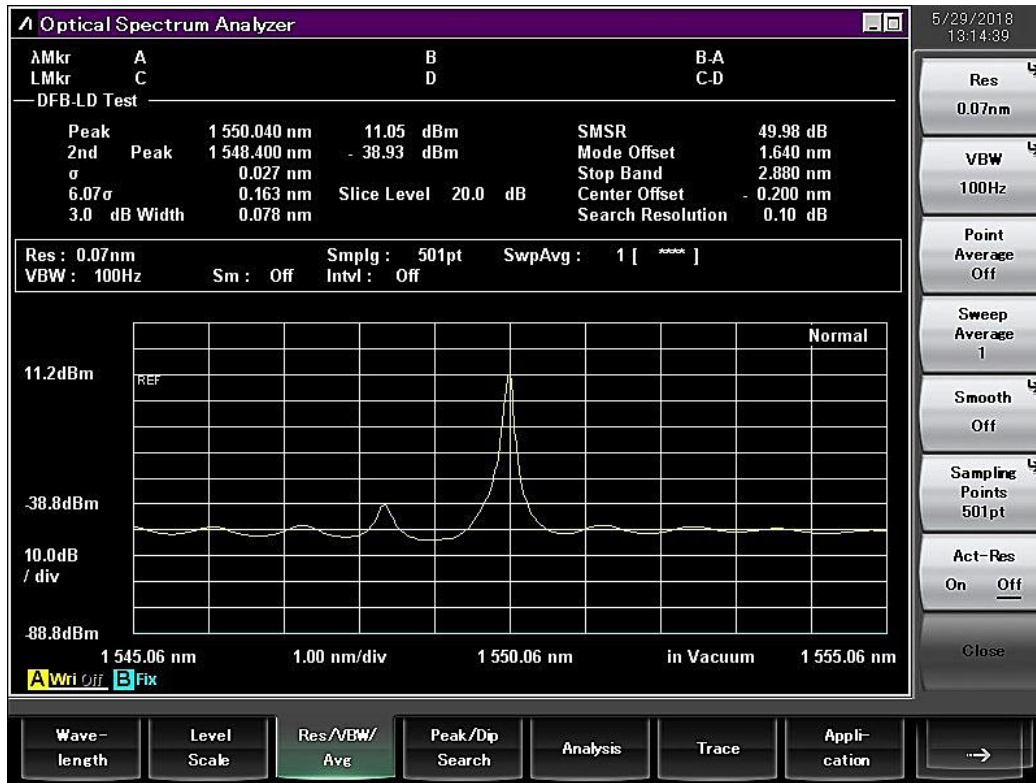
Parameters	Min.	Typ.	Max.	Unit	
Peak operating wavelength	-	1550	-	nm	
Output power	SM	-	10	50	W
	PM	-	10	20	W
SMSR	20	25	35	dB	



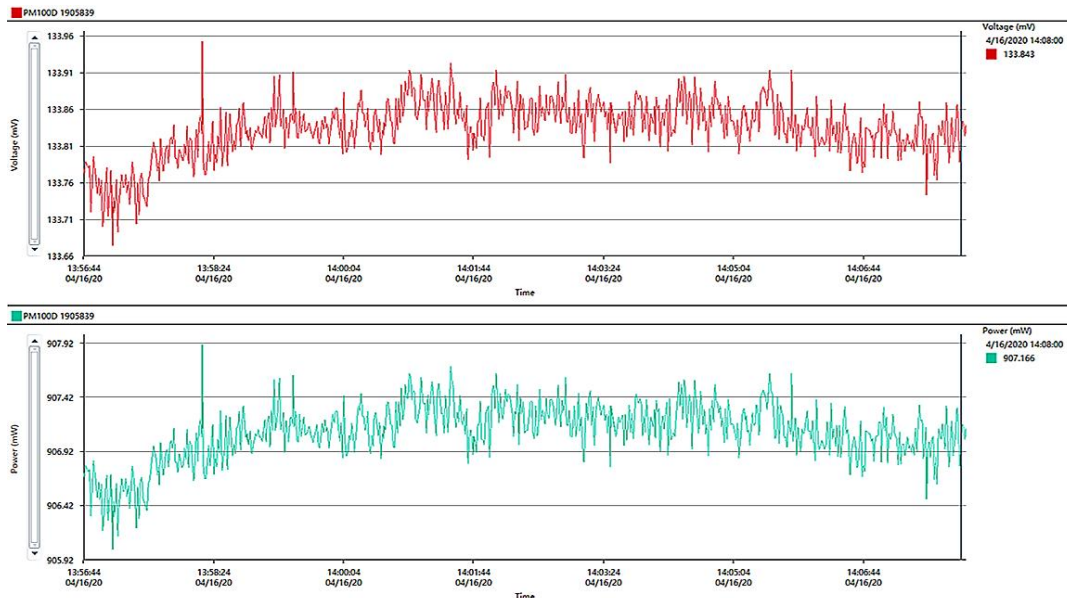
Parameters		Min.	Typ.	Max.	Unit
Output polarization extinction ratio (PER)		20	-	-	dB
Output power stability (15 minutes)		-	±0.1	±0.5	%
Output power stability (8 hours)		-	±0.5	±1.0	%
Output power adjustment range		0	-	100	%
Output power regulation mode		Coarse/ Fine adjustment			
Operating voltage		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



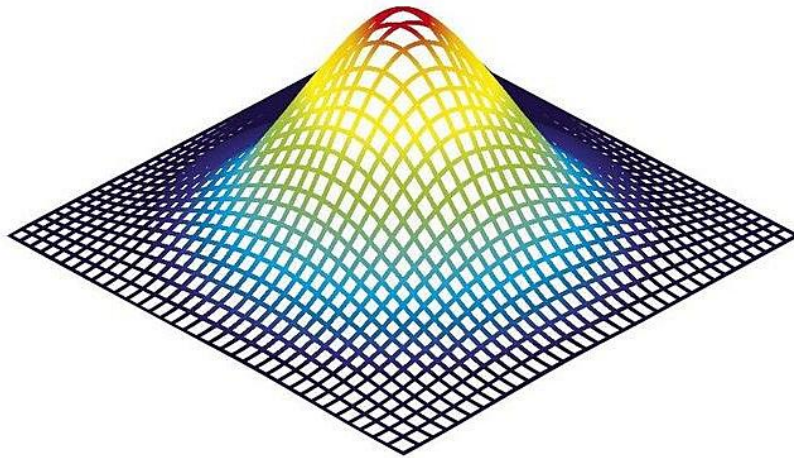
# Spectrum



# Power stability



## Beam quality



## Ordering info

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

Center wavelength: 1550nm, wavelength deviation:  $\pm 1$ 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:  $\pm 1$ 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:  $\pm 1$ 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:  $\pm 1$ 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:  $\pm 1$ 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:  $\pm 1$ 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:  $\pm 1$ 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:  $\pm 1$ nm, output power: 10W, 2U  
rack-mounted packaging, single-mode PM-10/125 output, FC/APC connector