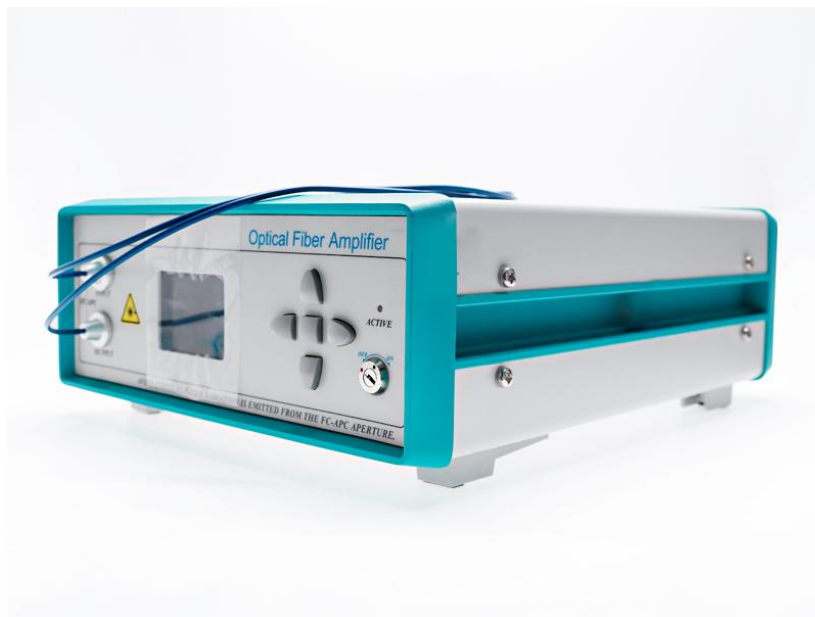


## 1064nm High Power PM Fiber Laser 10W



### ● Product Description

With optimized optical characteristics, the 1064nm single-mode DFB has become an ideal choice for high-demand sensing system applications. The innovative chip design has suppressed higher-order longitudinal and transverse modes, while maintaining linear polarization stability. The laser features high output power (up to 50W), narrow linewidth, and good consistency, making it highly favored by domestic research customers. Currently, we have stock covering wavelengths from 1000nm to 2400nm, and for certain specific customer applications, we can provide customized chip selection services.



## ● Product features

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

## ● Part Number

MP-FLS-1064-B-10-PA

## ● Application area

LAN/WAN communication systems 、 CATV systems 、 Test and measurement 、 Other scientific research

## ● Core parameters

Wavelength	Output Power	Connector
1064nm	10W	FC/APC

## ● General Parameters

### Parameters

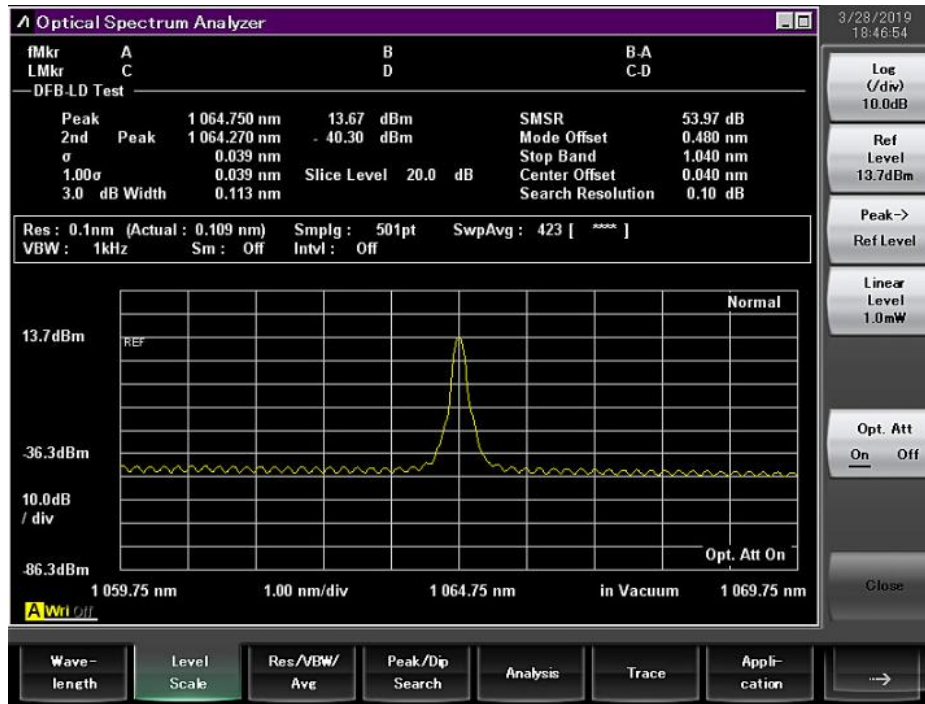
Parameters	Min.	Typ.	Max.	Unit	
Peak operating wavelength	-	1064	-	nm	
Output power	SM	-	10	-	W
	PM	-	10	-	W



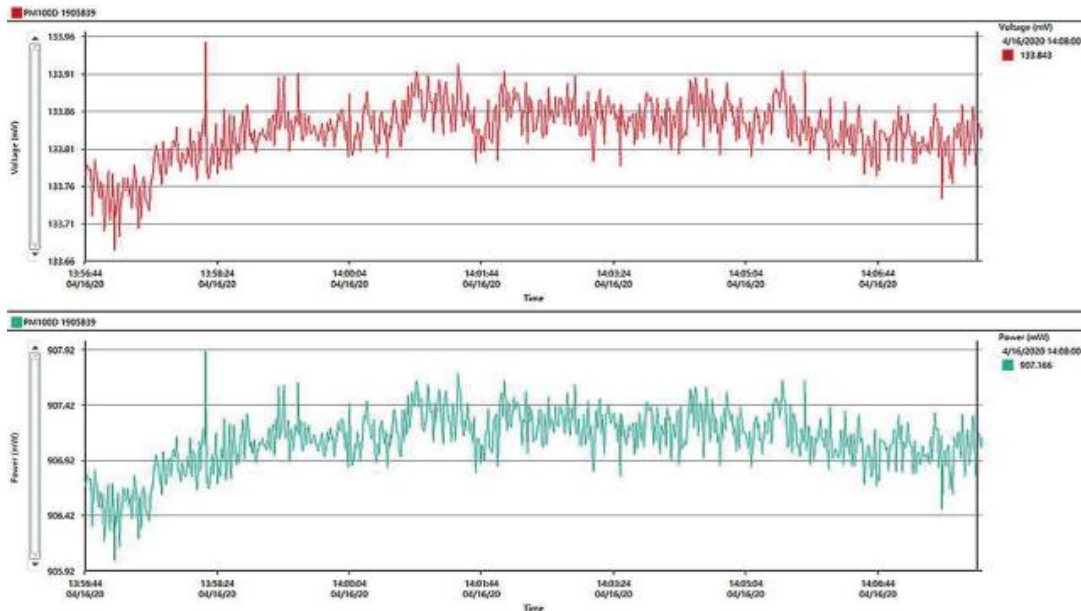
<b>SMSR</b>	<b>20</b>	<b>25</b>	<b>35</b>	<b>dB</b>
<b>Output polarization extinction ratio (PER)</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>dB</b>
<b>Output power stability (15 minutes)</b>	<b>-</b>	<b>-</b>	<b>±0.5</b>	<b>%</b>
<b>Output power stability (8 hours)</b>	<b>-</b>	<b>-</b>	<b>±1.5</b>	<b>%</b>
<b>Output power adjustment range</b>	<b>30</b>	<b>-</b>	<b>100</b>	<b>%</b>
<b>Output power regulation mode</b>	<b>Coarse/ Fine adjustment</b>			
<b>Operating voltage</b>	<b>170</b>	<b>220</b>	<b>260</b>	<b>V</b>
<b>Operating temperature</b>	<b>0</b>	<b>-</b>	<b>35</b>	<b>°C</b>
<b>Storage temperature</b>	<b>-40</b>	<b>-</b>	<b>85</b>	<b>°C</b>
<b>Output fiber type</b>	<b>SM</b>	<b>SM-GSF-10/ 125@&lt;20w</b>		<b>W</b>
	<b>PM</b>	<b>PM-10/ 125@&lt;10w</b>		<b>W</b>
<b>Output fiber length</b>	<b>&gt;1</b>			<b>m</b>
<b>Output fiber connector</b>	<b>FC/ APC</b>			
<b>Dimensions</b>	<b>Rack-mounted customization available</b>			<b>mm</b>



# Spectrum

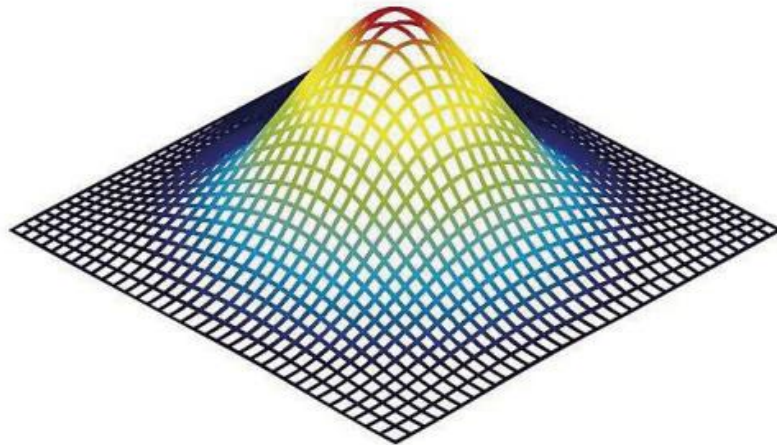


# Power stability





## Beam quality



## Ordering info

### A. Model: MP-1550-B-2-1-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-1550-B-10-1-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-1550-B-2-1-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-1550-B-10-1-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-1064-B-2-1-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-1064-B-10-1-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-1064-B-2-1-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-1064-B-10-1-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**