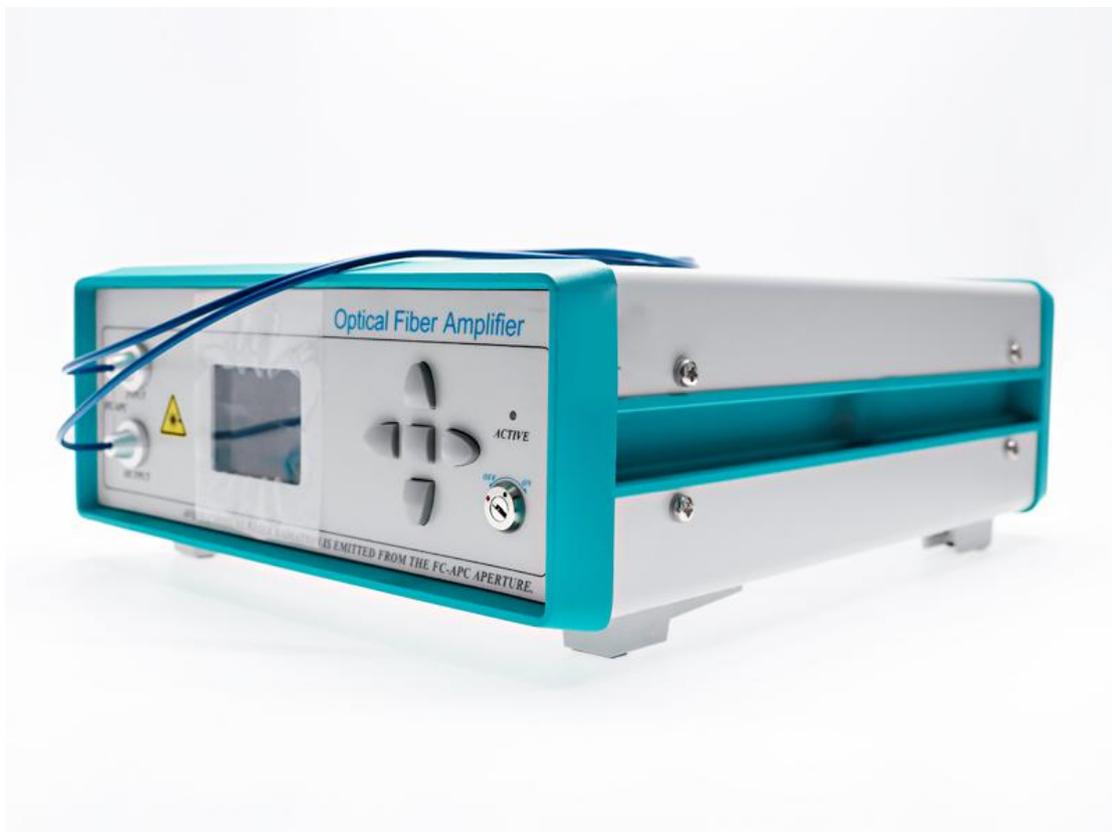


# 1550nm Single Mode Fiber Coupled Laser 20W 43dBm Benchtop



- **Product Description**

1550nm Wavelength SM Fiber Coupled Laser (1~20W Power, Bench -top Format) This laser uses a DFB seed laser and a high-power gain optical module to achieve single-mode fiber output of single-wavelength



high-power laser. Professionally designed drive and temperature control circuits ensure that the laser works safely and stably, and the spectrum and power remain stable for a long time. The desktop design is easy to operate, and the control interface is simple and intuitive, suitable for laboratory use by scientific research users.

- **Product features**

1~20W multiple power、 Single mode fiber output、 Power and spectrum stability

- **Part Number**

MP-FCL-1550-20W-XA-B

- **Application area**

Fiber Optic Sensing、 Fiber Optic Communications、 Optical experiments

- **Core parameters**

Working wavelength	Spectral linewidth	Output power
1550nm	≤0.1nm	20W

## ● General Parameters

### General parameters

Optical indicators	unit	Typical Value	Remark
Working Wavelength	nm	1550±0.5	1540~1570nm can be customized
Spectral Line Width	nm	≤0.1	
Side Mode Suppression Ratio	dB	>50	
Working Mode	-	CW	Continuous light
Output Power	W	1/2/5/10/15/20	15/20W only available in desktop
	dBm	30/33/37/40/41/43	
Short-Term Stability (15 minutes)	dB	≤ ±0.02	Equivalent ≤ ±0.5%
Long Term Stability (8 hours)	dB	≤ ±0.05	Equivalent ≤ ±1.2%
Pigtail Type	-	SMF-28/PM1550	
Pigtail Connector Type	-	FC/APC	

<b>Electrical and Environmental Parameters</b>	<b>Power: 1/2/5W</b>	<b>Power: 10/15/20W</b>
<b>Control Method</b>	<b>button</b>	
<b>Communication Interface</b>	<b>Optional</b>	
<b>Powered by</b>	<b>100~240V AC,&lt;150W</b>	
<b>Size</b>	<b>260(W) × 320(D) × 120(H)mm</b>	<b>360(W) × 350(D) × 120(H)mm</b>
<b>Operating Temperature Range</b>	<b>-5~+35°C</b>	
<b>Operating Humidity Range</b>	<b>0~70%</b>	

<b>Ordering Information / Model</b>				
<b>FCL</b>	<b>Working Wavelength (nm)</b>	<b>Output Power (dBm)</b>	<b>Output Pigtail Type</b>	<b>Package</b>

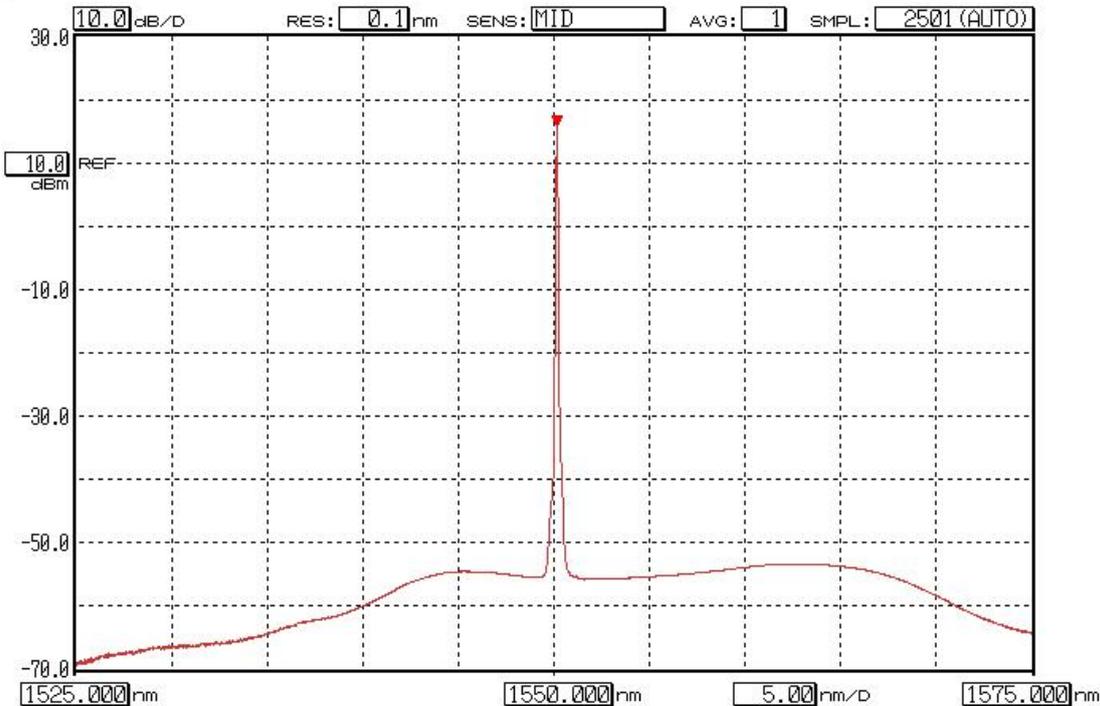


	1550	30/33/37/40/41/43	SM=SMF-28 PM=PM1550	B =Benchtop
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YOKOGAWA // AQ6370D OPTICAL SPECTRUM ANALYZER // 2022 Jul 27 11:42

TR B VPK :1550.1600nm 15.38dBm V-Vn:	A:FIX /BLK
V0001:	B:WRITE /DSP
V0002:	C:FX B-A /BLK
V0003:	D:FIX /BLK
V0004:	E:FIX /BLK
V0005:	F:FIX /BLK
	G:FIX /BLK

<MEAS CONDITION>  
 START:1525.000nm STOP:1575.000nm CENTER:1550.000nm SPAN: 50.0nm



RES COR LVL SHF WL SHF NOI MSK SRC ZOM SRC 1-2 VAC WL ALT OFS ALT ANA AUT SRC AUT SCL AUT REF AUT CTR SWP 1-2 SMO OTH RPT SGL STP