

1550nm CW Single Mode Fiber Laser (1~20W)

This laser adopts DFB seed laser and cooperates with high-power gain optical path module to realize single-mode fiber output of single-wavelength high-power laser. The professionally designed drive and temperature control circuit control ensures the safe and stable operation of the laser, 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, which is suitable for the laboratory use of scientific research users.

Characteristics

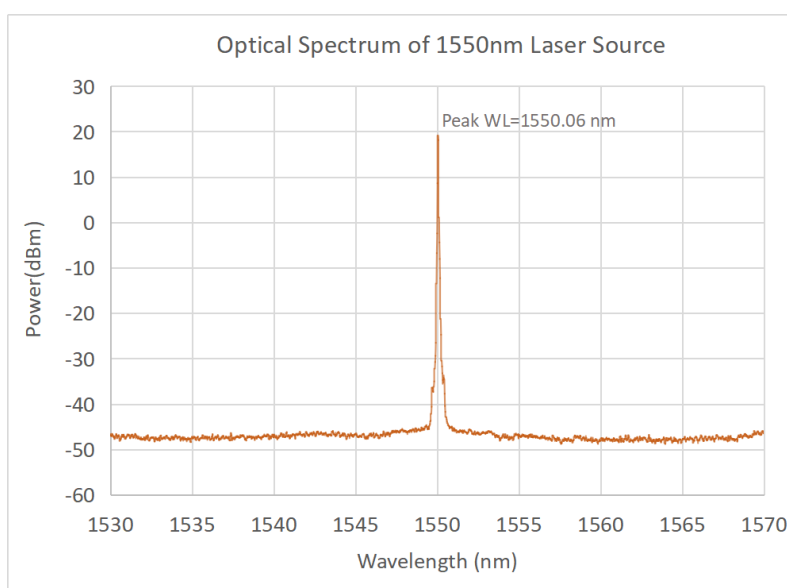
- High Output Power (1~20W)
- SM/PM Fiber Output
- Excellent SMSR

Applications

- Fiber Sensing
- Fiber Communication
- Laboratory



Desktop Model



Optical Parameters	Unit	Typical Value	Remarks
Wavelength	nm	1550	1540~1570nm available
Wavelength Accuracy	nm	±0.5	
Spectral Linewidth	nm	≤0.1	
Side Mode Suppression Ratio	dB	>50	
Laser Operation Mode	-	CW	
Output Power	W	1/2/5/10/15/20	
	dBm	30/33/37/40/41/43	
Instability(15min.in)	dB	≤ ±0.02	equivalent≤±0.5%
Instability(8 hr.)	dB	≤ ±0.05	equivalent≤±1.2%
Optical Fiber	-	SMF-28 /PM1550	
Fiber connector	-	FC/APC	

General Parameters	Desktop 1/2/5W	Desktop 10/15/20W
Control Function	Keystroke	
Remote control Port	Optional	
Power Supply	AC100~240V, <150W	
Dimensions	260(W)×320(D)×120(H)mm	360(W)×350(D)×120(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information/ Product Code				
FLH	Wavelength(nm)	Output Power(dBm)	Fiber	Packaging
	1550	30/33/37/40/41/43	SM=SMF-28 PM=PM1550	B=Benchtop