

1550nm CW Single Mode Fiber Laser (10~500mW)

The 1550nm CW Single Mode Fiber Laser (low power) adopts high-stability semiconductor laser chip, single-mode fiber output, professionally designed drive and temperature control circuit control to ensure the safe and stable operation of the laser, and can provide desktop or modular packaging.

Characteristics

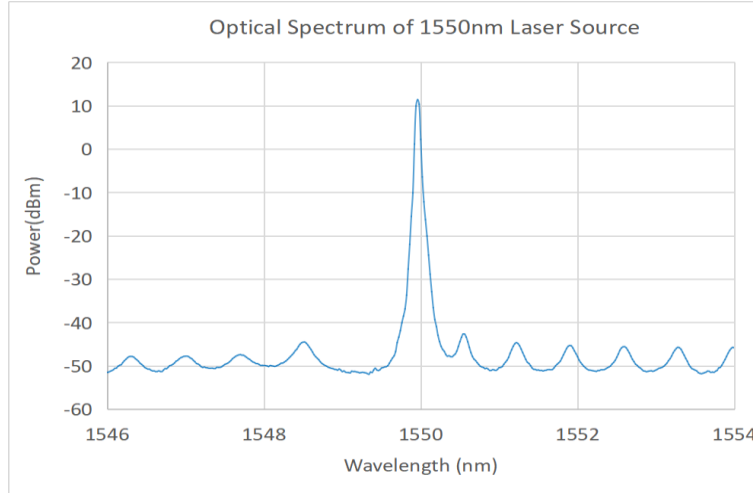
- DFB Laser
- Excellent Stability
- SM/PM Fiber Output

Applications

- Fiber Sensing
- Fiber Communication
- Laboratory



Desktop Model



Optical Parameters	Unit	Typical Value	Remarks
Wavelength	nm	1550	1530~1565nm is available
Wavelength Accuracy	nm	±0.5	
Spectral Linewidth	MHz	≤3	≤1MHz is Optional
Side Mode Suppression Ratio	dB	>50	
Laser Operation Mode	-	CW	
Output Power	mW	10/20/50/100/... /500	≤±0.5%
Instability(15min.in)	dB	≤ ±0.02	≤±1.2%
Instability(8 hr)	dB	≤ ±0.05	
Optical Fiber	-	SMF-28/PM1550	
Fiber connector	-	FC/APC	

General Parameters	Desktop	Module
Control Function	Keystroke	RS232 serial Communication
Remote control Port	Optional	DB9 Female
Power Supply	AC100~240V, <30W	DC5V, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	



Ordering Information/ Product Code				
FL	Wavelength	Output Power	Fiber	Packaging
	1550(nm)	10/20/50/100/200/400/500 (mW)	SM=SMF-28 PM=PM1550	M - Module B - Benchtop

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