

1570nm CW Single Mode Fiber Laser

The 1570nm CW Single Mode Fiber Laser adopts a high-performance butterfly semiconductor laser chip, and the professionally designed drive and temperature control circuit control ensures the safe operation of the laser and stable output power and spectrum. Suitable as a pump laser source for thulium-doped fiber lasers or fiber amplifiers, and available in benchtop or modular packaging.

Characteristics

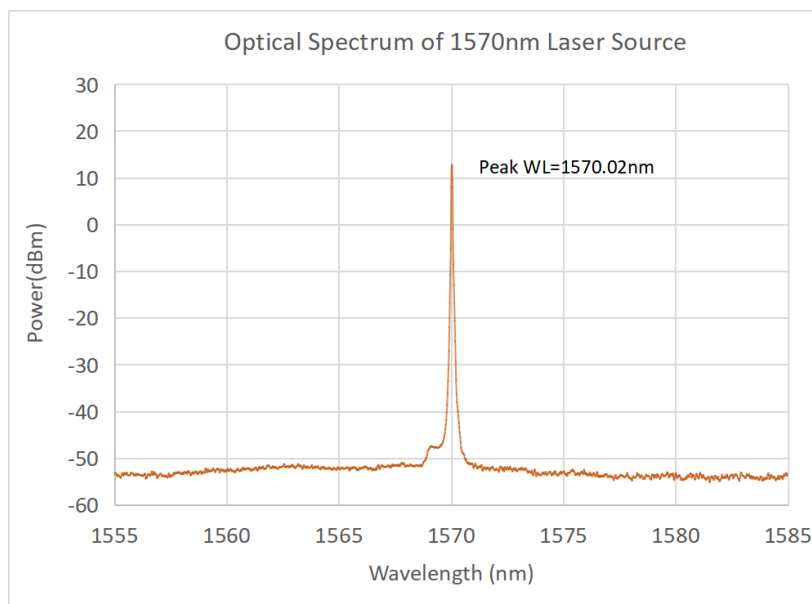
- High output Power (1~10W)
- SM Fiber Output
- Excellent SMSR

Applications

- Tm-Doped Fiber Pump
- Fiber Laser
- Test and Measurement



Desktop Model



Optical Parameters	Unit	Typical Value	Remarks
Wavelength	nm	1570	
Wavelength Accuracy		±1	
Spectral Linewidth	nm	≤0.1	
Side Mode Suppression Ratio	dB	>50	
Laser Operation Mode	-	CW	
Output Power	dBm	10/20/30/33/37/40	
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	Module
Control Function	Keystroke	RS232 serial Communication
Remote control Port	Optional	DB9 Female
Power Supply	AC100~240V, <150W	DC5V, <60W
Dimensions	260(W)×320(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(nm)	Output Power(dBm)	Fiber	Packaging
	1570	10/20/30/33/37/40	SM= SMF-28 PM=PM1550	M - Module B - Desktop