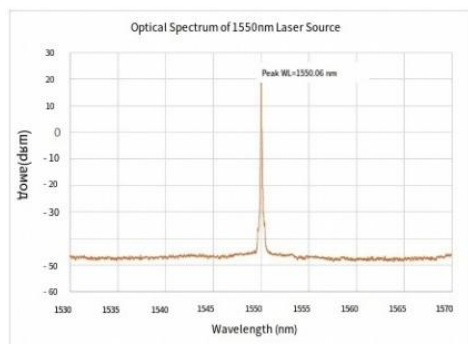


1570nm Wavelength SM Fiber Coupled Laser

The 1570nm single-wavelength laser adopts high-performance butterfly-shaped semiconductor laser chips. The professionally designed drive and temperature control circuits ensure the safe operation of the laser, with stable output power and spectrum. It is suitable to be used as the pump laser source for thulium-doped fiber lasers or fiber amplifiers, and can be provided in either desktop or module packaging.



Features

A variety of power options from 1W to 20W Single-mode optical fiber output
Power and spectral stability

Application

Optical fiber sensing
Optical fiber communication
Optical experiments

Optical indicators	unit	Typical value		Note
Working wavelength	nm	1550		Customizable from 1535nm to 1565nm
Wavelength accuracy	nm	±0.5		
Spectral line width	nm	≤0.1		
Side-mode suppression ratio	dB	≥50		
Working mode	-	CW		Continuous light
Output power	dBm	30/33/37/40/41/43		
Power regulation range	-	10% to 100%		
Short-term stability(15 minutes)	dB	±0.02 or less		Equivalent ≤±0.5%
Long-term stability(8 hours)	dB	±0.05 or less		Equivalent ≤±1.2%
polarization state	-	random	Linear polarization	
Fiber pigtail type	-	SMF-28	PM1550	
Fiber pigtail connector type		FC/APC	FC/APC(Slow Axis Alignment)	The connector is only used for power testing.

Electrical and environmental parameters	Desktop	Module(Power:30/33 dBm)	Module(Power:37/40 dBm)
Control mode	Key input/RS232 serial communication	RS232 serial communication	RS232 serial communication
Communication interface	DB9 Female	DB9 Female	DB9 Female
for Electricity	100~240V AC, <150W	DC12V3A, ≤36W	DC12V6A, ≤80W
Dimensions(mm)	376(W)×340(D)×112(H)	125(W)×150(D)×31.5(H)	139(W)×235(D)×70(H)
Operating temperature range	-5~+35 C		
Working humidity range	0 to 70%		

Ordering Information/Model

	Working wavelength(nm)	Output power(mW)	Output pigtail type	Encapsulation form
FL	1570	10/20/50/100/200/400/500(mW)	SM=SMF-28	B=desktop
FLH		30/33/35/37/40 (dBm)	PM=PM1550	M=module