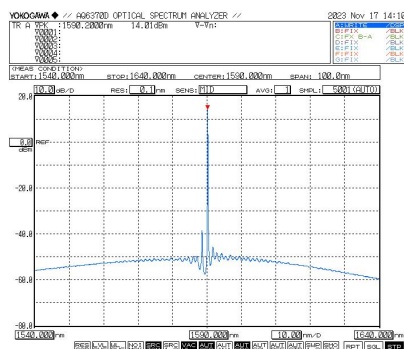
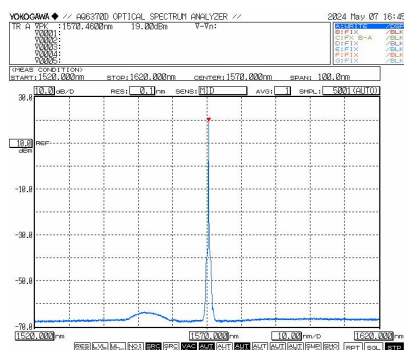


SM Fiber Coupled Laser (1570nm)



Introduction

The 1570nm laser is equipped with high-performance butterfly shaped semiconductor laser chips, and a professionally designed driver and temperature control circuit ensures the safe operation of the laser, as well as stable output power and spectrum. It is suitable as a pump laser source for thulium doped fiber lasers or fiber amplifiers, and can be provided in basic or module packaging.

Feature

- SM or PM fiber Output
- Good stability of Power & Spectral

Application

- Thulium doped fiber pump
- Fiber Laser
- Optical device testing

Parameter

Optical Parameter	Units	Typical Values		Notes
Wavelength	nm	1570/1590		
Resolution	nm	±0.5		
FWHM	nm	< 0.1		
SMSR	dB	≥50		
Working Mode	—	CW		Continuous
Output Power	mW	10/20/50/100/200/400/500		Low-Power Type
S-term FS(15 min)	dBm	30/33/35/37/40		High-Power Type
L-term FS(8 h)	dB	≤ ±0.02		~ ≤ ±0.5%
Polarization State	dB	≤ ±0.05		~ ≤ ±1.2%
Tail Fiber Type	—	Random	Linear Polarized	
Connector Type	—	SMF-28	PM1550	
		FC/APC	FC/APC	*used for power testing

SM Fiber Coupled Laser (1570nm)

Electrical&Environmental	Basic	Module (30/33dBm)	Module (37/40dBm)
Control Mode	Touchpad/RS232	RS232	RS232
Communication Interface	DB9 Female	DB9 Female	DB9 Female
Power Supply	100~240V AC, <150W	DC12V3A, ≤36W	DC12V6A, ≤80W
Size	260 (W) *340 (D) *112 (H)	125 (W) *150 (D) *31.5 (H)	139 (W) *235 (D) *70 (H)
Operating temperature	-5~+35° C		
Operating humidity range	0~70%		

Ordering Information

Model				
	λ (nm)	P _{out} (mW)	Tail Fiber Type	Package Type
FL	1550	10/20/50/100/200/400/500 (mW)	SM=SMF-28	B=Basic
FLH		30/33/35/37/40 (dBm)	PM=PM1550	M=Module