

1570nm Wavelength SM Fiber Coupled Laser, 30dBm



● Product Description

The 1570nm single-wavelength laser adopts a high-performance butterfly semiconductor laser chip, with a professionally designed driver and temperature control circuit to ensure safe operation, stable output power, and spectral stability. It is suitable as a pump laser source for thulium-doped fiber lasers or fiber amplifiers and is available in both benchtop and module packaging.

● Part Number

FL-1570-30-SM-B

● Product features

1~10W multiple power options、 Single-mode fiber output、 Various spectral options available

● Application area

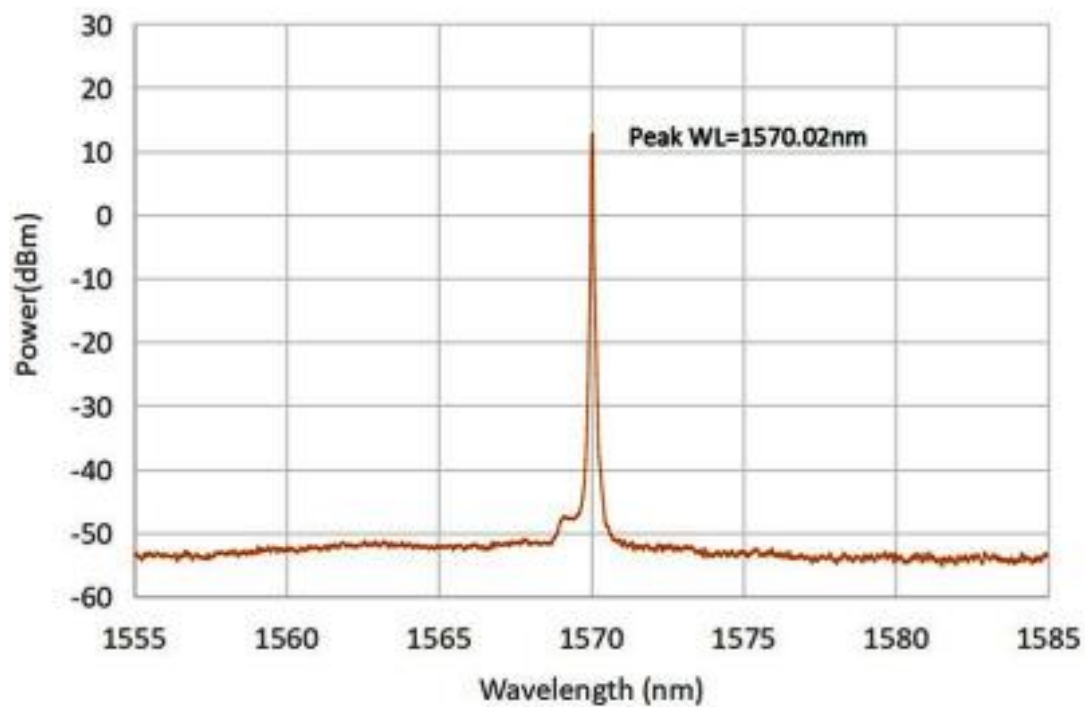
Thulium-doped fiber laser、 Fiber laser、 Fiber sensing

● Parameters

Optical Specifications	Unit	Typ.	Notes
Operating Wavelength	nm	1570±1	
Spectral Linewidth	nm	< 0.1	
Side Mode Suppression Ratio (SMSR)	dB	> 50	
Operating Mode	-	CW	Continuous Wave
Output Power	dBm	10/20/30/33/37/40	
Short-term Stability (15 minutes)	dB	≤ ±0.02	Equivalent ≤ ±0.5%
Long-term Stability (8 hours)	dB	≤ ±0.05	Equivalent ≤ ±1.2%
Pigtail Type	-	SMF-28 fiber	
Pigtail Connector Type	-	FC/APC	

Electrical and Environmental Parameters	Benchtop	Module
Control Mode	Button Control	RS232 Serial Communication
Communication Interface	Optional	DB9 Female
Power Supply	100~240VAC,<150W	5V DC,<60W
Dimensions	260(W)×320(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operating Temperature Range	-5~+35°C	
Operating Humidity Range	0~70%	

Optical Spectrum of 1570nm Laser Source



● Ordering info

PN#				
FL	Operating wavelength(nm)	Output Power(dBm)	Output fiber tupe	Package type
	1570	10/20/30/33/37/40	SM= SMF-28 PM=PM1550	B=Benchtop M=Module *33~40dBm only benchtop available