

C-band Tunable Fiber Laser

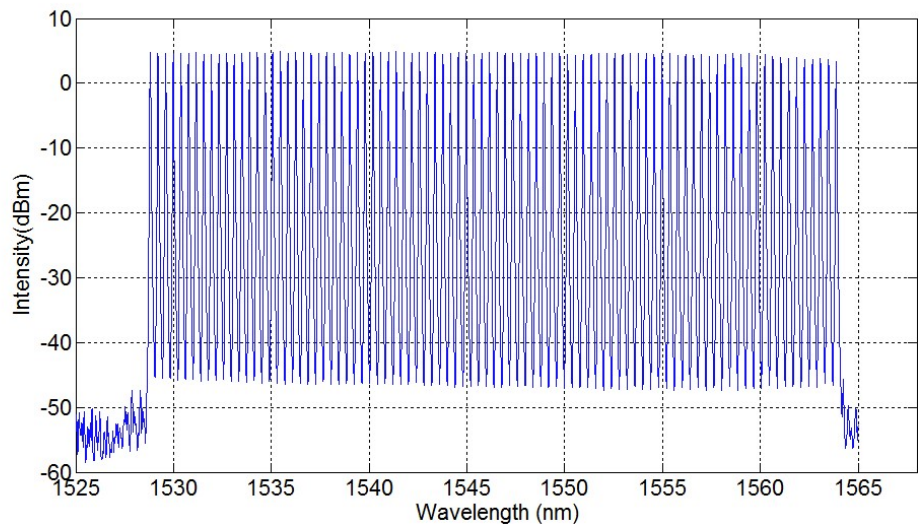
The C-band Tunable Fiber Laser's wavelength tuning range covers the C-band and achieves continuous laser output of up to 89 wavelengths (ITU-T standard wavelength, wavelength separation 50 GHz). It integrates dual FP cavity tuning etalon and high gain chip, featuring high output optical power, narrow linewidth and high wavelength accuracy. It is equipped with a dedicated drive control circuit, high-definition color LCD screen, and optional control keyboard and PC software. Users can easily adjust the wavelength accurately. It can be used in DWDM system development, fiber laser, fiber link, optical device testing and other fields.

Key Features

- Up to 89 wavelengths
- High Power Stability
- High Side mode suppression ratio

Applications

- DWDM System
- Optical Fiber Link
- Passive Optical Components Test



For more Info

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Performance Specifications C-band Tunable Fiber Laser

Optical Parameter	Unit	Typical Values	Remark
Wavelength tuning range	nm	1528.77~1563.86	ITU C61~ C17
Frequency tuning range	THz	191.7~196.1	
Channel spacing	GHz	50	0.4nm
Side mode suppression ratio	dB	>50	
Number of wavelength channels		89	
Output power	mW	10/20	
Short-term Stability (15 Minutes)	dB	≤ ±0.02	
Long-term Stability (8 Hours)	dB	≤ ±0.05	
Fiber Type	-	SMF-28 / PM1550 Panda	
Optical Connector	-	FC/APC	

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	RS232
Communication Interface	* Optional	DB9 Female
Power Supply	100~240V AC, <30W	5V DC, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature Range	-5~+55°C	
Operation Humidity Range	0~70%	

Order information P/N: ①-②-③-④-⑤

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

①	②	③	④	⑤
TFL	Wavelength Range	Output power (mW)	Fiber Type	Package Type
	C:C-band	10/20	SM: SMF-28e PM: PM1300 panda	M: Module B: Desktop

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.