

L-band Wavelength Tunable Fiber Laser

The wavelength tuning range of the light source covers the L-band and realizes continuous laser output of up to 64 wavelengths (ITU-T standard wavelength, wavelength interval 100GHz). It integrates a tunable filter and a high-gain chip and has the characteristics of high output optical power, narrow linewidth, and high wavelength accuracy. Equipped with a dedicated drive control circuit, a high-definition color LCD screen, and optional host computer software, users can easily tune the wavelength accurately. It can be used in DWDM system research and development, fiber laser, fiber link, optical testing, and other fields.

Characteristics

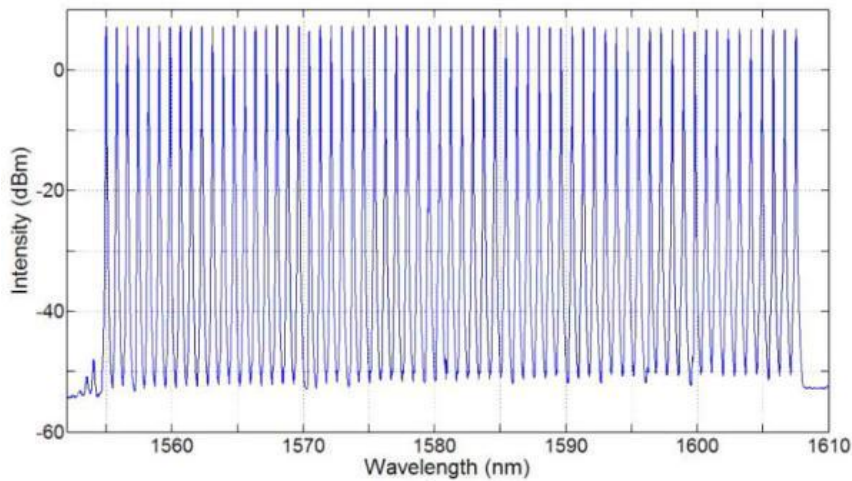
- Up to 64 channels
- High Power 10dBm
- Excellent SMSR >50dB

Applications

- DWDM System
- Optical Communication
- Test and Measurement



Desktop Model



Wavelength Interval

Optical Parameters	Unit	Typical Value	Remarks
Wavelength Range	nm	1554.94~1607.46	ITU C28~ L65
Frequency Range	THz	192.8~186.5	
Channel Spacing	GHz	100	0.8nm
Side Mode Suppression Ratio	dB	>50	
Number of Channels	-	64	
Output Power	mW	10	
Power Instability(15min.)	dB	≤ 0.02	Fixed set wavelength and power
Power Instability(8hr)	dB	≤ 0.05	Fixed set wavelength and power
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, <30W	DC5V, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information/ Product Code				
TFL	Wavelength	Output Power(mW)	Fiber	Packaging
	L-64=L Band 64 channels	10	SM= Single Fiber PM= PM Fiber	B - Desktop M - Module

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