C-band tunable fiber laser 20mW

Product Description

This light source has a wavelength tuning range that covers the C-band, enabling continuous laser output of up to 96 wavelengths (ITU-T standard wavelengths with a 50GHz wavelength spacing). It integrates an adjustable filter and high-gain chip, offering high output power, narrow linewidth, and high wavelength accuracy. It is equipped with a dedicated driving control circuit and a high-definition color LCD screen. Additionally, optional software for the host computer is available, allowing users to conveniently perform precise wavelength tuning. It is suitable for use in fields such as DWDM system development, fiber lasers, fiber optic links, and optical testing.

Part Number

TFL-C-96-20-SM-B

Product features

96 wavelengths、 High power stability、 High side-mode suppression ratio

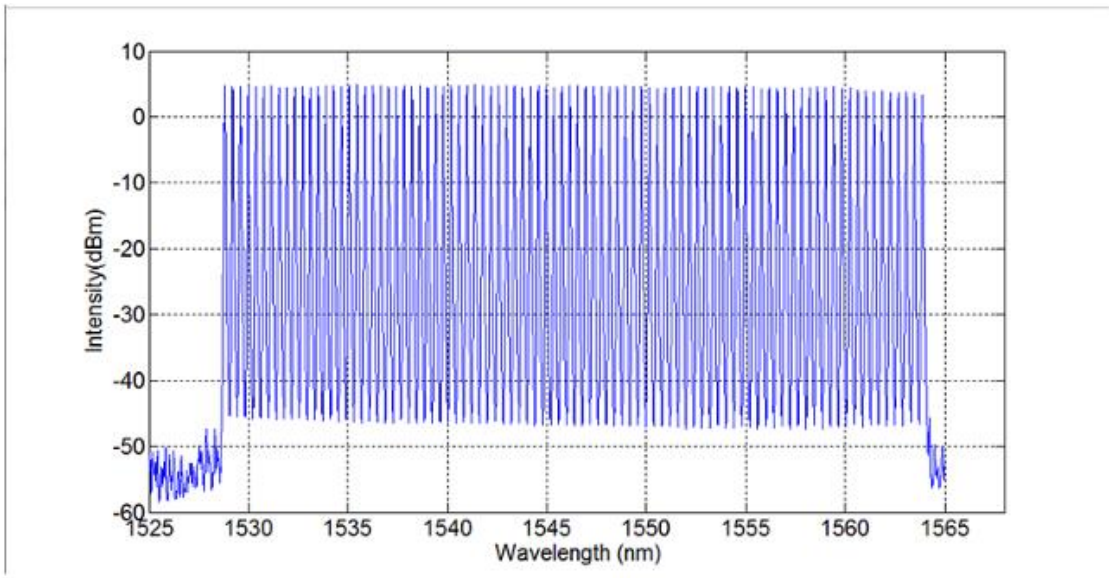
Application area

DWDM systems、 Fiber optic links、 Optical device testing

Parameters

Optical Specifications	Unit	Typ.	Remarks
Wavelength tuning range	nm	1529.16~1567.13	ITU standard H60~C13
Frequency tuning range	THz	191.3~196.05	
Channel spacing	GHz	50	Equivalent to 0.4nm
Side-mode suppression ratio	dB	>50	
Number of wavelength channels	-	96	
Output optical power	mW	10/20	
Short-term stability (15 min)	dB	⩽ ±0.01	Single wavelength, full temperature range
Long-term stability (8h)	dB	⩽ ±0.025	Single wavelength, full temperature range
Pigtail type	-	SMF-28 or PM1550	
Pigtail connector type	-	FC/APC	

Electrical and Environmental Parameters	Benchtop	Module
Control method	Keypad	RS232 serial communication
Communication interface	Optional	DB9 Female
Power supply	100~240VAC,<30W	5V DC,<15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operating temperature range	-5~+35° C	
Operating humidity range	0~70%	



Ordering info

Ordering info/PN				
TFL	Spectral Range	Output Power(mW)	Output Pigtail Type	Package Type
	C-96 = C-band 96 wavelengths	10/20	SM = Single-mode fiber, PM = Polarization-maintaining fiber	B =Benchtop, M = Module