

Wide Range Tunable Laser Source

Description

Based on our electrically tunable filter, we release fiber tunable lasers for C and L band. The laser can perform continuous, mode-hop-free scanning over 40~90nm tuning range. This compact, rugged laser provides high power output power and high Side Mode Suppression Ratio (SMSR) and excellent linear wavelength-scanning, which is a cost-effective OEM solution for system integration applications as well as laboratory purposes.

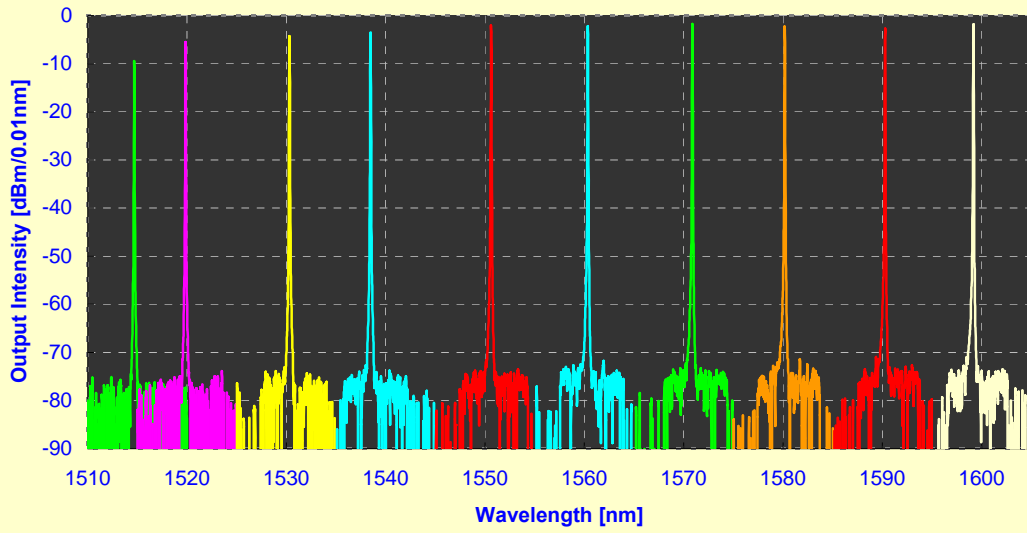
Features

- Narrow linewidth
- High SMSR
- Wide tuning range
- Linear wavelength tuning
- Friendly interface with computer
- Small footprint
- Fast tuning speed

Specifications

Parameter	Unit	Specification
Center Wavelength	nm	1550±10
Tuning Range	nm	40 ~90
Wavelength Resolution	nm	0.01
Wavelength Repeatability	nm	±0.04
Tuning speed	nm/s	Up to 100
Output power	mW	2.5~100mW
Output linewidth	nm	<0.02
Output Polarization state	N/A	depolarized
SMSR	dB	>65
Input/output Type ³	n/a	1m long, 900µm OD jacketed 9/125µm SM or 8/125µm Panda PM pigtailed.
Interface	N/A	USD2.0 or I ² C, SPI configuration
Electric Power Consumption	W	<1.0
Operational Temperature	°C	0~+70
Dimensions	mm	120x180x50
Weight	kg	<1.0

Typical Spectrum of C-band Tunable Laser



Wavelength Tuning Linearity of Fiber Optic Tunable Filter for C-Band

