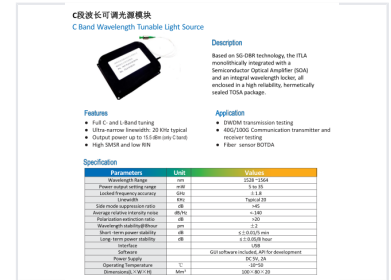


C-Band Wavelength Tunable Light Source

This C-Band wavelength tunable light source features SG-DBR technology, monolithically integrated with an SOA and an integral wavelength locker. It is enclosed in a hermetically sealed TOSA package for high reliability.



Product Overview

High-Performance Tunable Light Source

This C-Band Wavelength Tunable Light Source utilizes advanced SG-DBR technology, monolithically integrated with a Semiconductor Optical Amplifier (SOA) and an integral wavelength locker. Housed in a high-reliability, hermetically sealed TOSA package, it delivers ultra-narrow linewidth performance. Designed for precision, it is an essential tool for DWDM transmission, high-speed communication testing, and fiber sensor applications.

Optical Performance

Key Optical Metrics

15.5 dBm

Max Output Power

20 KHz

Typical Linewidth

45 dB

Min SMSR

Wavelength Specifications

Parameter	Value
Wavelength Range	1528~1564 nm
Frequency Accuracy	±1.8 GHz
Wavelength Stability (8hr)	±2 pm

Technical Specifications

Power Stability

- Short-term (5 min): $d\pm 0.01$ dB
- Long-term (8 hour): $d\pm 0.05$ dB

Interface & Power

USB Interface, GUI Included, API Support, DC 5V/2A

Applications

Primary Applications

DWDM Transmission Testing, 40G/100G Communication Testing, Fiber Sensor BOTDA