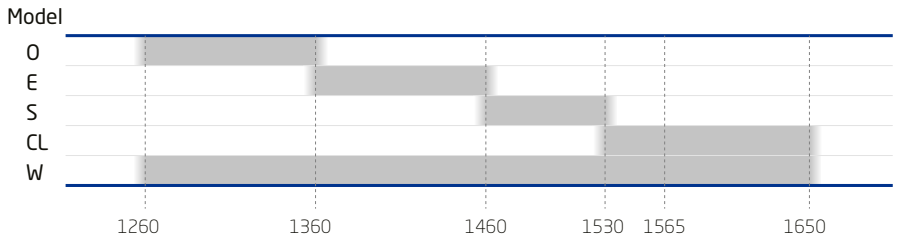
TLS5 | Tunable Laser Source

Product Description

The TLS5 Tunable Laser Source delivers an ultra-wide continuous wavelength range covering the complete CWDM spectral range from 1260 nm to 1650 nm at a resolution of 0.1 nm. The TLS5 features a high Side Mode Suppression Ratio (SMSR) of over 60dB, low coherence length and high repeatability, making this source perfect for the characterization of CWDM, PON, various optical components, and for general lab uses.

The output power of the TLS5 is typically between -5 dBm to + 5 dBm.

Wavelength Range (nm)



KEY FEATURES

- Ultra wide 1260 nm to 1650 nm continuous wavelength range
- Resolution of 0.1 nm
- Side Mode Suppression Ratio 60 dB at 0.1 nm resolution bandwidth

APPLICATIONS

- CWDM and PON component testing
- General lab use
- Test and measurement

COMPLIANCE

- UL/CSA 61010
- IEC 61010
- FCC Part 15 (Class A)
- EN 61326 (Class A)

IN THE BOX

- TLS5 Tunable Laser Source
- Hybrid jumper
- AC power cord

Specifications

OPTICAL / ELECTRICAL SPECIFICATIONS					
Parameter	Specification				
	O	E	S	CL	W
Wavelength Range (nm)	1260-1360	1360-1460	1460-1530	1530-1650	1260-1650
Power Stability (dB)[1]	±0.01				±0.07
FWHM (nm)	0.1				
Power Repeatability (dB)[2]	± 0.02				
Output Power (dBm)	-5 to +5				
SMSR @ 0.1nm BW (dB)	>60				
Wavelength Stability (pm)[3]	±8				
Wavelength Accuracy (pm)	±50				
Wavelength Repeatability (pm)	±50				
Resolution (nm)	0.1				
Tuning Speed (nm/s)[4]	25				
High Frequency Modulation (kHz)	75				
Output Type	Panda PM fiber				
Output Connector	FC / APC				
PER, PM output (dB)	18				
Communication Interfaces[5]	RS-232C, GPIB (IEEE-488.1) and BNC				
Laser Safety Classification	Class 3R				

Notes:
1. *Over 15 minutes*
2. *At constant temperature*
3. *Over 1h at constant temperature*
4. *100 nm/s available*
5. *BNC for modulated Trig IN/OUT*

Ordering Scheme

TLS5 - ☐ -FA

BAND	
O	1260-1360
E	1360-1460
S	1460-1530
CL	1520-1630
W	1260-1630

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