LUXA

TLS Series Tunable Laser Source

Test Light Sources

The TLS source tunes optical wavelength for component and system characterization. Select the tuning mode and spectral band required by the test.



Technical specifications

C- and L-band models

Operating wavelength (nm)	C-band 1529 to 1567 / L-band 1563 to 1607
Wavelength tuning range (nm)	C-band 34 to 40 / L-band 40
Wavelength switching time (s)	2
Wavelength accuracy (GHz)	±1.8
Tuning step (GHz)	1 / 50 / 100
Optical output power (dBm)	10 to 16 (Typical 13, 20 mW)
3 dB Spectral width (MHz)	0.1 to 3 (Typical 1)
Side-mode suppression ratio (dB)	40 to 50

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Technical specifications

Continuous tuning configuration

Operating wavelength (nm)	C-band 1529 to 1563 / L-band 1560 to 1607
Wavelength tuning range (nm)	0.5
Wavelength switching time (µs)	50
Tuning step	Continuously tunable
Optical output power (dBm)	6 to 13
3 dB Spectral width (MHz)	1 to 10 (Typical 3)
Side-mode suppression ratio (dB)	40 to 50
Polarization extinction ratio (dB)	20