Preliminary

NEW

Compact Tunable Laser
WSL-100

The WSL-100 is a compact and cost effective tunable laser source for use in WDM systems and optical measurement applications. This laser is tuned over C-band or L-band, covering a 38nm tuning range with 50 GHz channel spacing to the ITU grid. An internal wavelength locker provides high wavelength accuracy and stability.

Features

- Tunable over C-band or L-band
- High wavelength accuracy and stability with internal wavelength locker
- High optical power (up to 13dBm)
- Compact & cost effective
- Low Relative Intensity Noise (RIN)

Applications

- Fiber optic transmission testing
- DWDM component testing
- Testing & measurement
- Local Oscillator for Coherent detection

Technology

Parameter		Unit	Min.	Typ.	Max.
Wavelength range C-band		nm	1528.773		1566.72
Frequency range C-band		THz	191.35		196.1
Wavelength range L-band		nm	1570.416		1610.49
Frequency range L-band		THz	186.15		190.9
Number of ITU channels		-		96	
Output power		dBm	7		13
Power variation		dB		±0.1	±1.0
Channel spacing		GHz		50	
Frequency accuracy to ITU grid		GHz		±1.0	±2.5
Side mode suppression ratio (SMSR)		dB	35	50	
Spectrum linewidth		MHz		5	10
Relative intensity noise		dB/Hz		-150	-135
Polarization extinction ratio		dB	20		
Interface		-	GP-IB, USB		
Power supply	Voltage	V	AC 100-240		
	Frequency	Hz	50/60		
Dimensions (WxDxH)		mm	210x300x80		

* choose C-band or L-band

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