

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 25 or 50 GHz channel spacing to the ITU-T grid. An internal wavelength locker provides high wavelength accuracy and stability. This laser can be controlled either by using the buttons on the front panel or by using GPIB interface. GPIB control with industry standard SCPI command set provides fully remote and automated solution for the customized measurement.

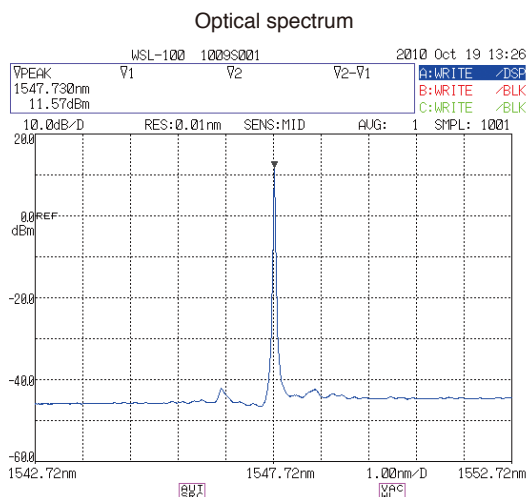
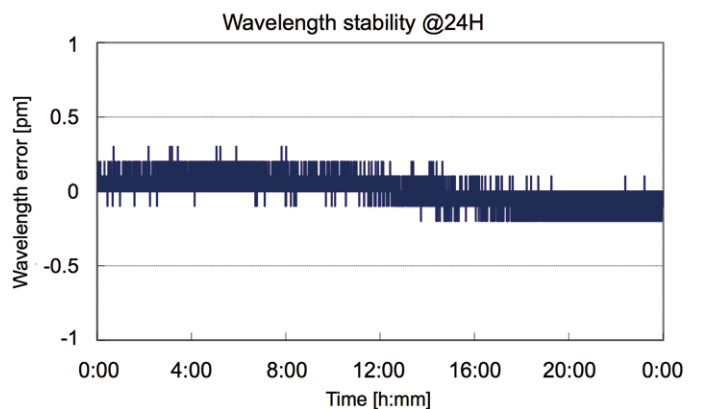
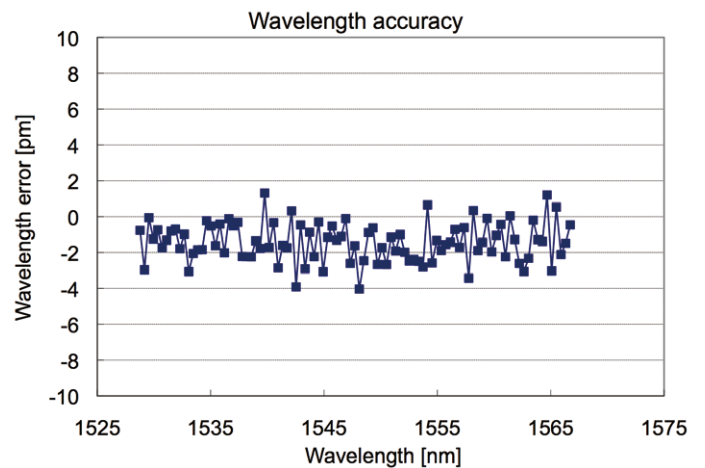


Features

- ▶ 25 or 50GHz ITU-T grid tuning
- ▶ 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

Applications

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

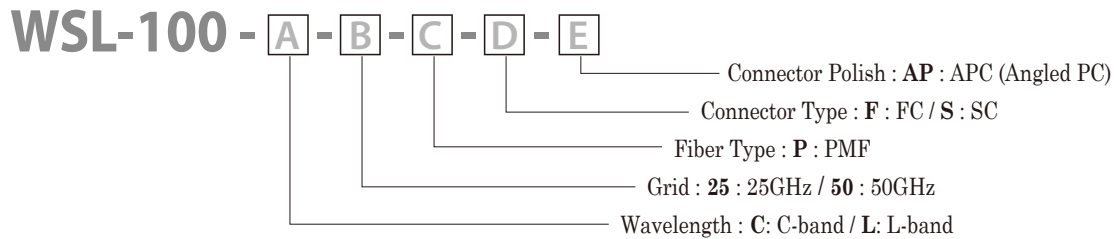


Specifications

Parameter	Unit	C-band	L-band
Wavelength range	nm	1528.773 to 1566.72	1570.416 to 1608.329
Frequency range	THz	191.35 to 196.1	186.4 to 190.9
Channel spacing	GHz	25 or 50 *1	
Frequency accuracy to ITU grid	GHz	$\pm 2.5 / \pm 1.0$ (Typ.) [$\pm 20\text{pm} / \pm 8\text{pm}</math> (Typ.)]$	
Wavelength repeatability *2	pm	± 2.0 (Typ.) [$\pm 0.25\text{GHz}</math> (Typ.)]$	
Wavelength stability @1hour *2	pm	± 1.0 (Typ.) [$\pm 0.15\text{GHz}</math> (Typ.)]$	
Output power	dBm	7 to 13	4 to 10
Power variation	dB	$\pm 1.0 / \pm 0.1$ (Typ.)	
Power stability @1hour *2	dB	± 0.01 (Typ.)	
Power repeatability *2	dB	± 0.01 (Typ.)	
Side mode suppression ratio (SMSR)	dB	>35 / 50 (Typ.)	
Spectrum linewidth	MHz	5 (Typ.)	
Optical Fiber	-	PMF	
Polarization extinction ratio	dB	>20	
Optical Output Connector	-	FC/APC or SC/APC	
Interface	-	GP-IB	
Operating	Temperature	°C 15 to 35	
	Humidity	% < 80	
Power supply	Voltage	V AC 100-240 $\pm 10\%$	
	Frequency	Hz 50 / 60	
Dimensions (Width x Depth x Height)	mm	210 x 300 x 80	
Weight	kg	2.8	

* Choose C-band or L-band
 *1 Other grid channel spacing is available
 *2 At constant temperature ± 0.5 K

Ordering Code



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