

TWL-C-MC-PI



DEVICE

C-Band Tunable Wavelength Laser, ITU-Grid

OVERVIEW

The Optilab TWL-C-MC-PI is a high speed, innovative, all-in-one tunable and programmable laser source with high spectral purity. It features CW mode, ITU-grid channels selections with jog dial knob. In addition, the TWL-C-MC-PI can be controlled via remote software through USB, Zigbee remote control optional. Its polarization maintaining output and high wavelength and power stability make it a perfect solution as a seed laser for optical modulation and other test and measurement applications. Contact Optilab Sales for more information.

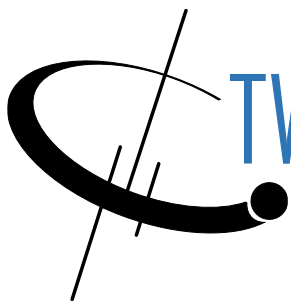
FEATURES

- ITU Grid Tuning over C-band
- 50 GHz (0.4 nm) Tuning Resolution
- Excellent Side Mode Suppression Ratio
- Light Weight: < 5.5 lbs. (2.5kgs)
- Jog Dial Knob Control
- Wireless Control (Optional)

APPLICATIONS

- Laboratory Testing and Measurement
- DWDM Component Testing
- Seed Lasers for Modulators
- Fiber Optics Components
- Fiber Sensors





TWL-C-MC-PI

SPECIFICATIONS

GENERAL

Wavelength Range	1525 nm to 1564 nm typ.
Wavelength Tuning Step	50 GHz
Output Power	+13 dBm typ.
Side Mode Suppression Ratio	50 dB typ.
Relative Intensity Noise	-150 dB/Hz typ.
Frequency Stability	± 1 GHz typ.
Fiber Type	PM-1550
Optical Connector	FC/APC, Field Serviceable

MECHANICAL

Operating Temperature	0 °C to +40 °C
Storage Temperature	-20 °C to +70 °C
Display	LCD Display
Dimensions (LxWxH)	280 mm x 150 mm x 45 mm
Weight	< 2.5 kg
Power Supply	110V or 220 VAC
Remote Control	USB Control

Available Channels

Nm	THz	Nm	THz	Nm	THz
1529.16	196.05	1540.16	194.65	1552.12	193.15
1529.94	195.95	1540.95	194.55	1552.93	193.05
1530.72	195.85	1541.75	194.45	1553.73	192.95
1531.51	195.75	1542.54	194.35	1554.54	192.85
1532.29	195.65	1543.33	194.25	1555.34	192.75
1533.07	195.55	1544.13	194.15	1556.15	192.65
1533.86	195.45	1544.92	194.05	1556.96	192.55
1534.64	195.35	1545.72	193.95	1557.77	192.45
1535.43	195.25	1546.52	193.85	1558.58	192.35
1536.22	195.15	1547.32	193.75	1559.39	192.25
1537.00	195.05	1548.11	193.65	1560.20	192.15
1537.79	194.95	1548.91	193.55	1561.01	192.05
1538.58	194.85	1549.72	193.45	1561.83	191.95
1539.37	194.75	1550.52	193.35	1562.64	191.85
		1551.32	193.25	1563.45	191.75

