

# L-band wavelength tunable fiber laser source

## 10mW



- **Product Description**

The wavelength tuning range of this light source covers the C band, and it can achieve up to 96 wavelengths of continuous laser output (ITU-T standard wavelength, wavelength interval 50GHz). It integrates tunable filters and high-gain chips, and has the characteristics of high output optical power, narrow line width, and high wavelength accuracy. It is equipped with a dedicated drive control circuit, a high-definition color LCD screen, and optional host computer software. Users can easily tune the wavelength



accurately. It can be used in DWDM system development, fiber laser, fiber link, optical testing and other fields.

## ● Product features

64 wavelengths、 High power stability、 High side mode suppression ratio

## ● Part Number

MP-WTLS-L-10-ITU-SA-B

## ● Application area

DWDM system、 Fiber link、 Optical device testing

## ● Core parameters

Wavelength Tuning Range	Channel Spacing	Output Power
1554.94-1607.46nm	100GHz	10mW

## ● General Parameters

Parameter

Parameter	Unit	Typical	Notes
Wavelength tuning range	nm	1554.94~1607.46	ITU Standard C28~L65
Frequency tuning range	THz	192.8~186.5	



<b>Channel spacing</b>	<b>GHz</b>	<b>100</b>	<b>Equivalence 0.8nm</b>
<b>Side mode suppression ratio</b>	<b>dB</b>	<b>&gt;50</b>	
<b>Number of wavelength channels</b>	<b>-</b>	<b>64</b>	
<b>Output optical power</b>	<b>mW</b>	<b>10</b>	
<b>Short-term stability (15 minutes)</b>	<b>dB</b>	<b>≤ 0.02</b>	<b>Single wavelength full temperature</b>
<b>Long-term stability (8 hours)</b>	<b>dB</b>	<b>≤ 0.05</b>	<b>Single wavelength full temperature</b>
<b>Pigtail type</b>	<b>-</b>	<b>SMF-28 or PM1550</b>	
<b>Pigtail connector type</b>	<b>-</b>	<b>FC/APC</b>	

<b>Electrical and environmental parameters</b>	<b>Benchtop</b>	<b>Module</b>
<b>Control mode</b>	<b>Button</b>	<b>RS232 Serial communication</b>
<b>Communication</b>	<b>Optional</b>	<b>DB9 Female</b>



interface		
Power supply	100~240VAC,<30W	5V DC,<15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
Operating temperature range	-5~+35°C	
Operating humidity range	0~70%	

## Ordering information

Ordering information / PN#				
WTL S	Spectral range	Output power(mW)	Output pigtail type	Package method
	L-64 = L-band 64 wavelength	10	SM=Single mode fiber; PM=Polarization fiber	B=Benchtop; M=Module

