

## C-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

96 wavelengths、 High power stability、 High side-mode suppression ratio

## ● Part Number

MP-WTLS-C-10-ITU-SA-B

## ● Application area

DWDM system、 Fiber link、 Optical device testing

## ● Core parameters

Wavelength Tuning Range	Output Power	Connector
1529.16-1567.13nm	10mW	FC/APC

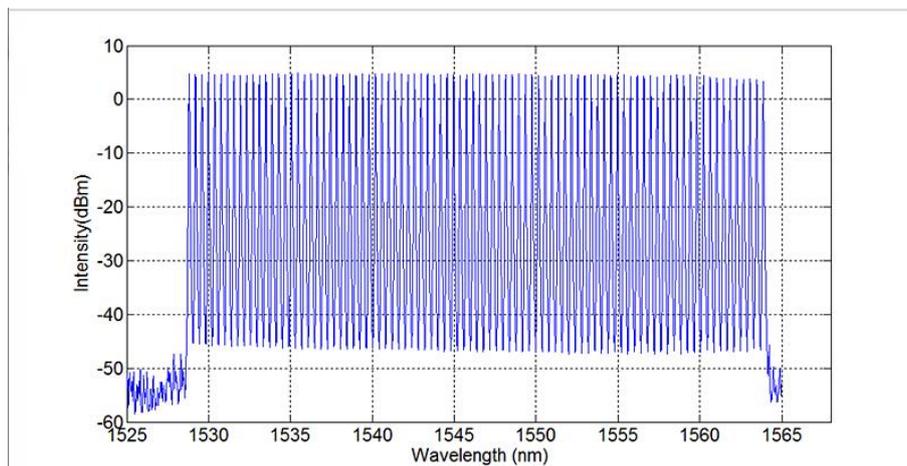
## ● General Parameters

### Parameters

Optical Specifications	Unit	Typ.	Remarks
Wavelength tuning range	nm	1529.16~1567.13	ITU standard H60~C13
Frequency tuning range	THz	191.3~196.05	
Channel spacing	GHz	50	Equivalent to 0.4nm
Side-mode suppression ratio	dB	>50	
Number of wavelength channels	-	96	
Output optical power	mW	10/20	
Short-term stability (15 min)	dB	$\leq \pm 0.01$	Single wavelength, full temperature range
Long-term stability (8h)	dB	$\leq \pm 0.025$	Single wavelength, full temperature range
Pigtail type	-	SMF-28 or PM1550	
Connector Type	-	FC/APC	



Electrical and Environmental Parameters	Benchtop	Module
Control method	Keypad	RS232 serial communication
Communication interface	Optional	DB9 Female
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 info

Ordering info/PN				
	Spectral Range	Output Power(mW)	Output Pigtail Type	Package Type
MP-W				
TLS-	C-96 = C-band 96 wavelengths	10/20	SM = Single-mode fiber, PM = Polarization-maintaining fiber	B=Benchttop M = Module