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

Electrical and environmental parameters	Benchtop	Module
Control mode	Button	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 information

Ordering information / PN#				
WTLS	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