

TLS1009C 可调谐窄线宽激光光源

TLS1009C Tunable Laser Light Source

产品规范

Specification



概述 Descriptions

TLS1009C 台式可调谐激光光源模块主要用于高精密波分复用 DWDM 元件、光波导光栅阵列 AWG 元件、平面光波导 PLC 元件、光放大器 EDFA、DWDM 系统以及其它通用的光纤的光学测量和应用。TLS1009C 可调谐激光光源系统具有波长精度高，输出功率大、尺寸小巧、启动快速、价格实惠等特点。

The TLS1009C desktop tunable lasers offer superior performance for the testing of DWDM components, AWG & PLC components, optical amplifiers, DWDM system and other general purpose fiber optic test and measurement applications. It has a wavelength high accuracy, high power output, small dimensions, fast startup, and is an affordable tunable laser source system.

特点 Features

1. High Wavelength Accuracy /波长精度高
2. High Output Power /输出功率大
3. Fast Start-up /启动时间短
4. Small Dimension /整体尺寸小

应用 Applications

- 1、CWDM,DWDM, Filter, Components, Module, System Testing /CWDM, DWDM 滤光片，元件，模块和系统测量
- 2、OPM, Interleaver, DPSK,WSS ,PLC, AWG components, modules testing /OPM, Interleaver, DPSK, WSS, PLC, AWG 元件和模块测量
- 3、Fiber Grating Sensors Sweep Testing /光纤传感器扫描测量
- 4、Fiber Optic Test Equipments Inspection and Testing /光纤测量仪器的检验和测量
- 5、Laser Sweep Optical Spectrum Analyze /激光扫描光谱分析
- 6、R&D and Lab Application /R&D 和实验室应用
- 7、Optical Coating Application /光学镀膜应用

性能指标 Specifications

型号 Model #	TLS1009C
波长范围 Wavelength range	1528.77 to 1563.86 nm
输出功率 Output Power	>= 10 mW
波长分辨率 Wavelength resolution	1pm
波长重复性 Wavelength repeatability	5 pm
波长稳定性 Wavelength stability	5 pm (恒温 24 小时下, 24 hrs at constant temperature)
调谐速度 Tuning speed	<1000ms
功率稳定性 Power stability	0.05@8hours
线宽 Linewidth (FWHM)	100KHz (典型值)
边模抑制比 Side-mode Suppression ratio	>= 40 dB
相对噪声强度 Relative intensity noise	< -135 dB
光输出接口 Output optical interface	<i>PM, FC/UPC connector</i>
电源功率 Power	AC 100 - 240 V \pm 10%, 48 - 66 Hz, 100 VA max.
存储温度 Storage temperature	-40°C to +80°C
工作温度 Operating temperature	0° C to +45° C
外形尺寸 Dimensions	200 mm W, 105 mm H, 320 mm D
重量 Weight	<5kg

技术支持和服务

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