

ACP8112CQ Desktop C Band High Speed Sweep Tunable Laser Source



ACP8112 Desktop Tunable Laser offers superior performances for testing of DWDM components, AWG & PLC components, EDFA optical amplifiers, DWDM systems and other general purpose fiber optic test and measurement applications. It offers high wavelength accuracy, high output power, with small dimensions and fast startup, and is an affordable tunable laser source. The laser has O band, C band, L band, or C + L band options.

PERFORMANCE SPECIFICATIONS

Parameter	Specifications
Model #	ACP8112CQ
Wavelength Tuning Range	1526 ~ 1568nm
Output Power	≥12dBm
Wavelength Resolution	1.0pm
Absolute Wavelength Accuracy	±10pm (Typ.), <5pm
Relative Wavelength Accuracy	±5pm (Typ.), ±2pm
Wavelength Repeatability	±2pm (Typ.), ±1pm
Wavelength Stability	≤±2pm (24hrs at Constant Temperature)
Tuning Speed	≤0.025us per step (40,000step/s) (5Hz with sweep 1pm step)
Power Stability	≤±0.01dB (15min)
Power Repeatability	±0.05dB
Power Linearity	±0.3dB
Power Flatness Versus Wavelength	0.3dB (Typ.), 0.5dB (Max.)
Side-mode Suppression Ratio	≥45dB
Output Optical Interface	PM, FC/APC or FC/PC Connector
Interface	RS232 or USB
Output Trigger Port	BNC Trigger
Operating Temperature	0 to +45°C
Storage Temperature	-40 to +80°C
Power Supply	AC 110 ~ 240V ±10%, 48 ~ 66Hz, 100VA (Max.)
Package Dimensions (HxWxD)	105mm x 245mm x 320mm
Weight	2.0kg

FEATURES

- High Wavelength Accuracy
- High Output Power
- Small Dimensions and Quick Startup
- O Band, C Band, L Band and C+L Band Options

APPLICATION

- WDM, GFF, AWG, PLC Test
- Fiber Sensor Test
- Optical Coherence Tomography (OCT)
- Fiber Sensing, Fiber Cable Test
- Fiber Optical, Telcom R&D Lab Test