Swept Tunable Laser Module

Description

Arcadia Optronix's Swept Tunable Laser Module, based on independent intellectual property rights, featuring accurate wavelength, stable power and fast scanning speed, is widely used in fiber grating demodulation system and optical passive device test system. Under 1 GHz scanning step, it can achieve 2 kHz scanning in 40 nm range, and meanwhile, the scanning frequency can be changed by adjusting the scanning step and scanning range.

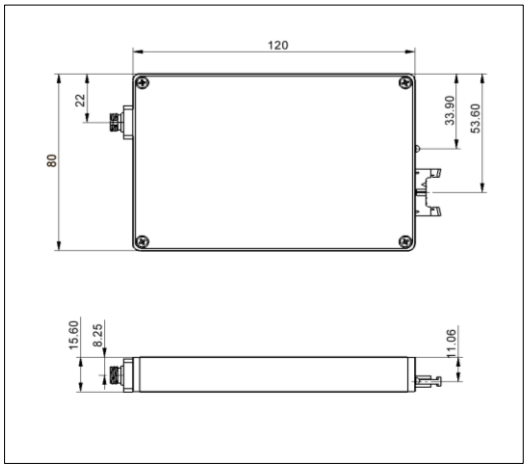
Key Features

- Wavelength Range: 1528 - 1568 nm
- Fast Sweep up to 2 kHz
- Optical Power: 20 mW
- Wavelength Stability: < 1 pm

Specifications

Parameter	Unit	Value
Wavelength Range	nm	1528 - 1568
Sweep Speed	Hz	≤ 2000
Sweep Step	GHz	≥ 1
Absolute Wavelength Accuracy	pm	< 5
Relative Wavelength Accuracy	pm	< 2
Wavelength Stability	pm	< 1
Optical Power	mW	≤ 20
Power Stability	dB	≤ 0.05
Power Flatness	dB	≤ 0.5
Side Mode Suppression Ratio	dB	≥ 40
Relative Intensity Noise	dB/Hz	< - 135
Linewidth	MHz	< 5
Operating Temperature	℃	- 15 to + 55
Power Consumption	W	≤ 5
Dimensions	mm	120 × 80 × 15.6

Dimensions



Ordering Information

GC-76001C-①①①①-②-③

①①①①: Sweep Speed (Hz)

0 - 1

1 - 5

2 - 10

3 - 50

4 - 100

5 - 500

6 - 1000

7 - 2000

S - Customized

②: Controller Interface

T - 3.3 V TTL

R - RS232

③: Connector Type

A - FC/APC

U - FC/UPC

S - Customized