

## Swept Tunable Laser Module

**Model #:** STLM-76001C

**Description:** A 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 systems and optical passive device test systems. 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.

**Applications:** Fiber grating demodulation systems and optical passive device test systems

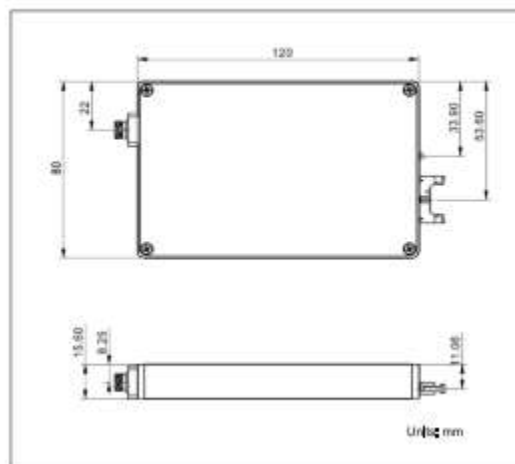
**Key Features:**

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

**Specifications:**

Parameter	Unit	Specifications
Wavelength Range	nm	1528 - 1568
Sweep Speed	Hz	≥ 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
Operating Temperature	°C	10 to +50
Relative Intensity Noise	dB/Hz	< -135
Linewidth	MHz	< 5
Operating Temperature	°C	-15 to +55
Power Consumption	W	≤ 5
Dimension	mm	120 x 80 x 15.6

### Dimensions



**Ordering Information: STLM-76001C-AAAA-B-C**

AAAA: Sweep Speed (Hz)	B: Control Interface	C: connector type
0001 - 1	T - 3.3V TTL	1 - FC/UPC
0005 - 5	R - RS232	2 - FC/APC
0050 - 50		X - other
0100 - 100		
0500 - 500		
1000 - 1000		
2000 - 2000		
XXXX - other		