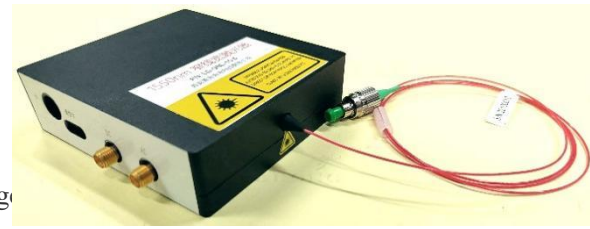


Narrow linewidth semiconductor laser

Features:

- ✧ 14PIN butterfly package
- ✧ Single longitudinal mode, wavelength can be customized
- ✧ Ultra-low phase noise and relative intensity noise (RIN)
- ✧ Low sensitivity to vibration and noise
- ✧ Narrow linewidth (<5 kHz), long coherence length
- ✧ Guarantee no mode jump within the operating life and temperature range
- ✧ Unparalleled wavelength stability over lifetime and temperature

**Application:**

- ✧ Sensing and detection
- ✧ LiDAR
- ✧ Optical detection
- ✧ Scientific research

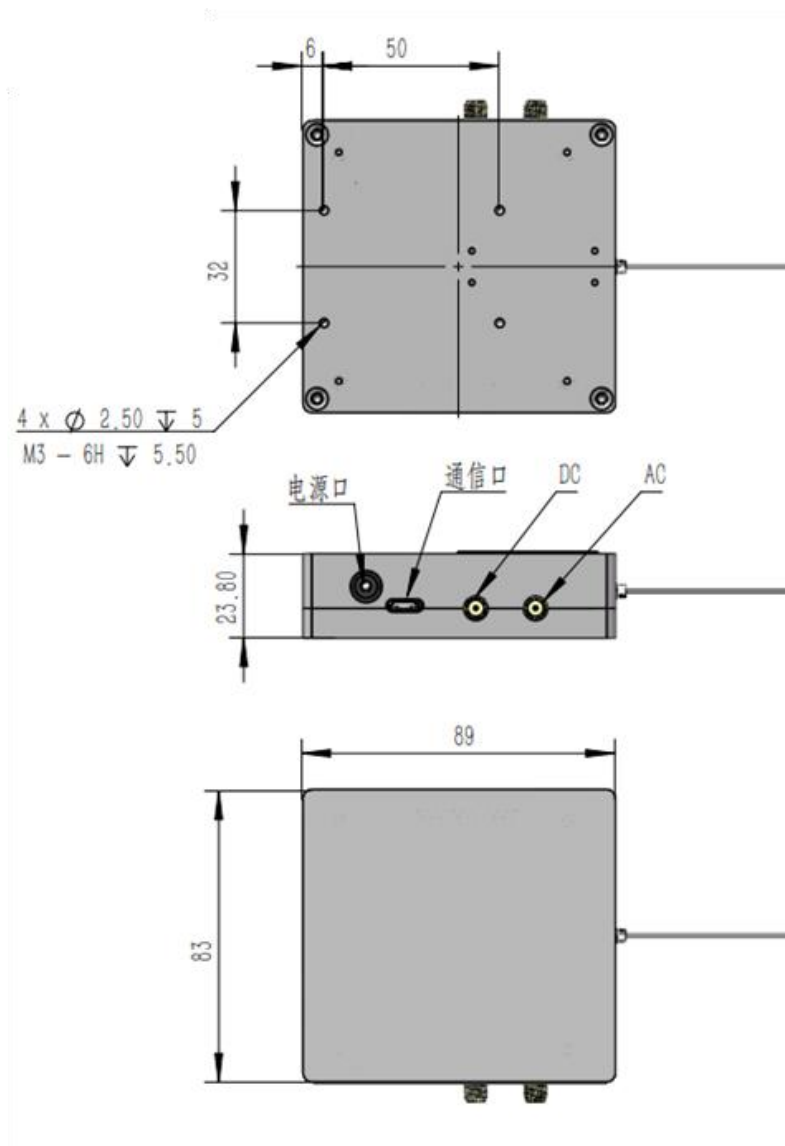
Technical Parameters:

Parameter	Min	Typical	Max	Unit
Output power ¹	15	20		mW
Center wavelength	1560.43	1560.48	1560.53	nm
Optical Linewidth			5	kHz
Thermal frequency tuning range ²	12	15	-	GHz
Polarization Extinction Ratio	20	-		dB
Optical Isolation	40	-	-	dB
Polarization Orientation	Slow axis alignment			
Power supply	5.7	5.9	6.5	V
Fiber Connector	FC/APC			

*Notes:

1. Output power at 200 mA driving current.
2. Mode-hop free optical frequency tuning range.

Dimensions:



Version records

Revision	Notes	Authors	Checked	Approval	Date
Rev A0	New release	Virgil			2024/03/19