



Your source for high quality, affordable lasers

## DATA SHEET

### SINGLE LONGITUDINAL MODE GREEN LASER AT 532nm

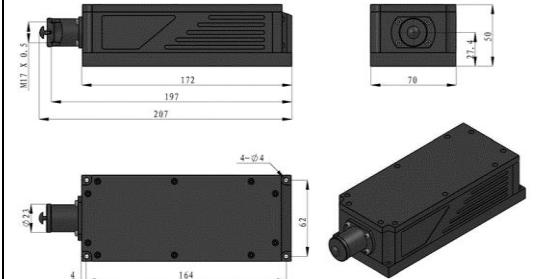
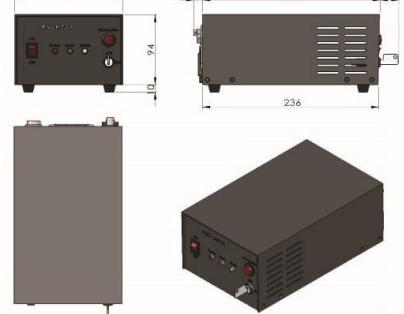
All-solid-state single longitudinal mode green laser at 532nm is made features of ultra-compact, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



**Model: MSL-FN-532/1~400mW**

Wavelength (nm)	532 ± 1
Output power (mW)	>1, 5, 10, ..., 100, ..., 400
Transverse mode	TEM <sub>00</sub>
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M <sup>2</sup> factor	<1.2
Beam divergence, full angle (mrad)	<1.2
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.5
Beam height from base plate (mm)	27.4
Polarization ratio	>100:1, Vertical ± 5 degree (Horizontal degree)
Spectral linewidth (nm)	<0.00001
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%
Coherence length (m)	>50
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-H-FDA
Modulation option	N/A
Expected lifetime (hours)	10,000
Warranty period	1 year

**Note: The laser head needs to be used on a heat sink with good heat dissipation**

MSL-FN-532	Dimensions	PSU-H-FDA	Dimensions
	 <p>207(L) ×70(W) ×50(H) mm<sup>3</sup>, 2.0kg</p>		 <p>275 (L) ×145(W) ×104 (H) mm<sup>3</sup>, 2.3kg</p>