

DATA SHEET

SINGLE LONGITUDINAL MODE YELLOW GREEN LASER AT 561nm


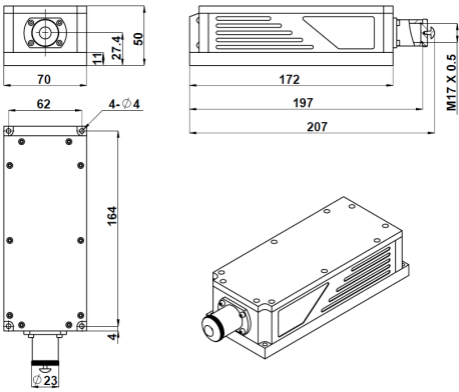

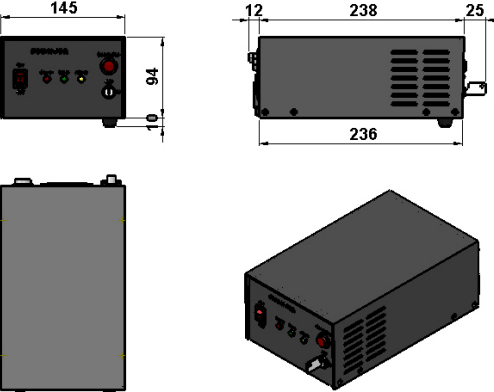
All solid state single longitudinal mode yellow green laser at 561nm is made features of ultra-compact, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.

Model: MSL-FN-561/1~80mW

Wavelength (nm)	561 ± 1nm
Output Power (mW)	>1, 5, 10, 20, 30, ... 80
Transverse Mode	TEM ₀₀
Longitudinal Mode	Single
Operating Mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.2
Beam diameter at aperture (mm)	~2.0
Beam height from base plate (mm)	27.4
Spectral Linewidth (nm)	<0.00001
Polarization ratio	>100:1 (0 or 90 degree, optional)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<1%, typical < 0.5%
Coherence length (m)	>50
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-FDA
Modulation option	Modulation is not available
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-561	Dimensions	PSU-H-FDA	Dimensions
	 <p>197(L) × 70(W) × 50(H) mm³, 2.0kg</p>		 <p>236(L) × 145(W) × 104(H) mm³, 2.3kg</p>

