

**MSL-FN-656.5/1~50mW**

### SINGLE LONGITUDINAL MODE GREEN LASER AT 656.5 nm

All solid state single longitudinal mode green laser at 656.5 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in optical instrument, spectrum analysis, interference, measurement, physics experiment, etc.


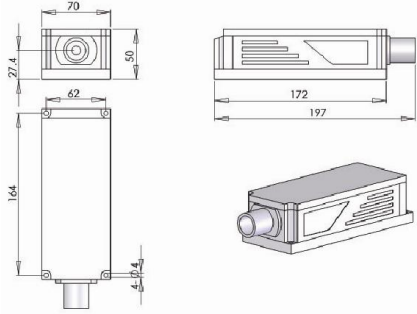



#### SPECIFICATIONS

Wavelength (nm)	656.5 ± 1
Output power (mW)	>1, 5, 10, 20, ... , 50
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 (mm)	~2.0
Beam height from base plate (mm)	27.4
Polarization ratio	>100:1, Vertical ± 5 degree
Spectral linewidth (nm)	<0.00001
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
Coherent length (m)	>50
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-H-FDA
Modulation	Modulation isn't available.
Expected lifetime (hours)	10000
Warranty	1 year



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

MxL-FN-656.5	Dimension	PSU-H-FDA	Dimension
 <p>197(L)×70(W)×50(H), 2.0 kg</p>		 <p>238 (L) × 146(W) × 102 (H) mm<sup>3</sup>, 2.3 kg</p>	