



MSL-U-532-1W



**SINGLE LONGITUDINAL  
MODE  
LASER AT 532nm**

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

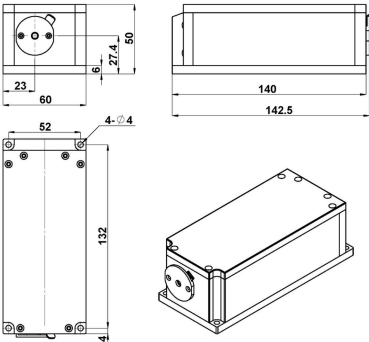
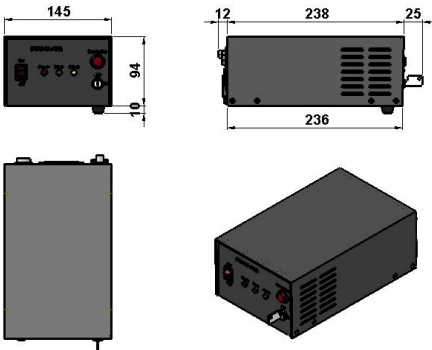
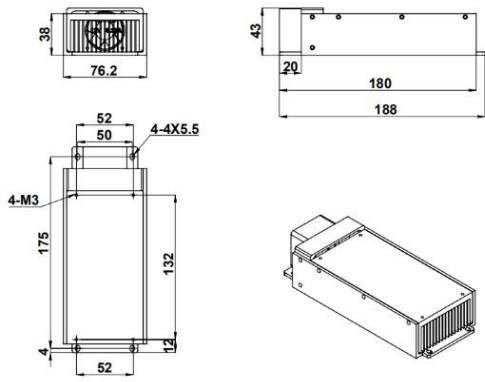
SPECIFICATIONS

Central wavelength (nm)	532±1
Operating mode	CW
Output power (W)	>1
Power stability (rms, over 4 hours)	<3%
Transverse mode	TEM <sub>00</sub>
Longitudinal mode	Single
Spectral linewidth (MHz)	<1
Coherent length(m)	>100
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M <sup>2</sup> factor	<1.2
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1
Beam divergence (mrad)	<1.5
Polarization Ratio	>100:1, Horizontal±5 degree
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Laser head consumption(W)	15 (typical) , <25 (40℃)
Max. Laser Head Base plate Temp (°C)	50
Operating Temperature (°C)	10-40
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000
Warranty	1 year

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





MSL-U-532	PSU-H-FDA	Heatsink
 <p>142.5 (L)×60(W) ×50(H) mm<sup>3</sup>, 1.0 kg</p>	 <p>275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>	 <p>188(L) ×76.2(W) ×43(H) mm<sup>3</sup></p>