



MSL-III-532-R/1~100mW


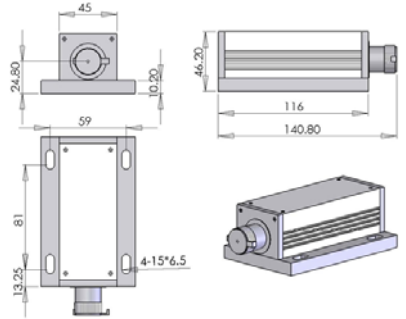

SPECIFICATIONS

**SINGLE LONGITUDINAL MODE
GREEN LASER AT 532 nm**

All solid state single longitudinal mode green laser at 532 nm is designed especially for Raman Spectrograph, which has the features of narrow spectral linewidth, high power stability, high wavelength stability and easy operating. They also can be used for sensing and biomedical applications.

Wavelength (nm)	532±1
Output power (mW)	>1,5,10,20...100
Transverse mode	TEM00
Central wavelength stability (rms, over 2 hours) (pm)	<10
Longitude mode	Single
Operating mode	CW
Power Stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up Time (minutes)	<10
M2 factor	<1.2
Beam divergence,full angle (mrad)	<1.2
Beam Diameter at the aperture (mm)	~1.2
Beam height from base plate (mm)	24.8
Spectral linewidth (nm)	< 0.00001
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms,1~20MHz)	<0.5%
Coherence length (m)	>50
Polarization ratio	> 100:1
Power supply (90-264VAC)	PSU-III-FDA
Modulation	Modulation isn't available
Operating temperature(°C)	10~35
Weight of driver (kg)	1.2
Expected lifetime (hours)	10000
Warranty	1 year



MxL-III-532-R	Dimension	PSU-III-FDA	Dimension
 <p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p>		 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	