



Your source for high quality, affordable lasers

Model: MSL-III-1342/1~200mW


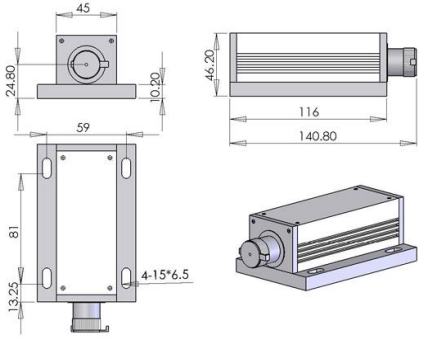

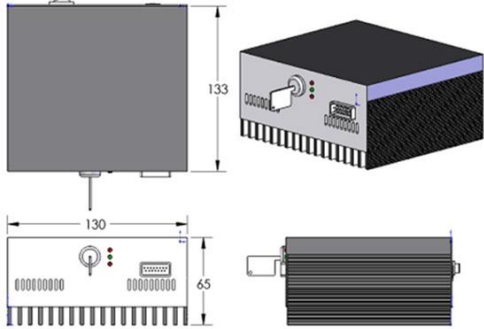
DATA SHEET

SINGLE LONGITUDINAL MODE INFRARED LASER AT 1342nm

All solid state single frequency laser at 1342nm 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, laser printing, chip inspection, physics experiment, etc.

Wavelength (nm)	1342
Output Power (mW)	>50, 80, 100, 150, 200
Longitudinal mode	Single
Transverse Mode	TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at 1/e ² (mm)	~1.5
Beam height from base plate (mm)	24.8
Spectral linewidth (nm)	<0.00001
Coherent length (m)	>50
Polarization ratio	>100:1 (Horizontal)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
Operating temperature (°C)	15~35
Power supply (90-264VAC or 5VDC)	PSU-III-FDA
Expected lifetime (hours)	10,000
Warranty period	1 year



MxL-III-1342	Dimensions	PSU-III-FDA	Dimensions
	 <p>140.8(L) ×73(W) ×46.2(H) mm³, 0.6kg</p>		 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>