

MSL-III-1064/1~1000mW

### SINGLE LONGITUDINAL MODE INFRARED LASER AT 1064 nm


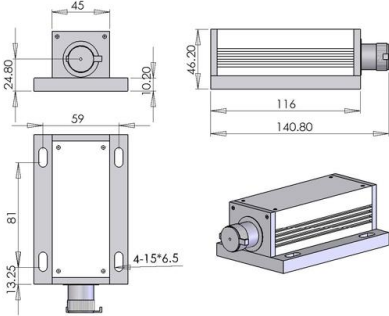

All solid state single frequency laser at 1064nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.



#### SPECIFICATIONS

Wavelength (nm)	1064
Output power (mW)	>1, 5, 10, 20, ... ,1000
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)	<15
M <sup>2</sup> factor	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (mm)	~2.0
Beam height from base plate (mm)	24.8
Spectral linewidth (nm)	<0.0001
Polarization ratio	>100:1 (Horizontal)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 1~20MHz)	<0.5%
Coherent length (m)	>50
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-III-FDA
Modulation	Modulation isn't available.
Expected lifetime (hours)	10000
Warranty	1 year



MxL-III-1064	Dimension	PSU-III-FDA	Dimension
 <p>140. 8(L)×73(W)×46. 2(H) mm<sup>3</sup>, 0.6kg</p>		 <p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	