



MSL-R-1064/1~10W

**SINGLE LONGITUDINAL MODE
INFRARED LASER AT 1064 nm**

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



SPECIFICATIONS

Wavelength (nm)	1064±1
Output power (W)	>1, 2, ... ,10
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
M ² factor	<1. 2
Beam divergence, full angle (mrad)	<1. 5
Beam diameter at 1/e ² (mm)	~1.5
Beam height from base plate (mm)	109
Spectral linewidth (nm)	<0.00001
Polarization ratio	>100:1
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0. 5%
Coherent length (m)	>50
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty	1 year



MSL-R-1064	Dimension	PSU-W-FDA	Dimension
 429(L) × 159(W) × 139(H) mm ³		 307 (L) × 168(W) × 123(H) mm ³ , 5.1 kg	