



MSL-S-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, small size, wide operating temperature, good sealing, long lifetime, low cost and easy operating, working under the pressure of 0.02kPa, 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

Model	MSL-S-1064-A (Harsh condition)	MSL-S-1064-B (Normal condition)
Wavelength (nm)	1064±1	
Output power (mW)	>1.5,10,20,....,1000	
Laser crystal	Nd:YVO ₄	
Longitudinal mode	Single	
Transverse mode	TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M ² factor	<1.5	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e ² (mm)	0.7±0.05	
Beam height from base plate (mm)	19	
Spectral linewidth (nm)	<0.00001	
Coherent length (m)	>50	
Pointing stability (Over 2hours at 23±3°C) (mrad)	<0.05	
Pointing stability Over Temp. (μrad/°C)	<5	
Power Consumption(W)	<40	
Shock Tolerance(6ms)	7g laterally,15g vertically	
IP Rating	IP68	IP65
Power supply(90-264VAC)	PSU-H-FDA	PSU-III-FDA
Operating temperature (°C)	0-60	10-35
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C
Modulation	Modulation isn't available.	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-S-1064	PSU-H-FDA	PSU-III-FDA
 100 (L) × 50 (W) × 38 (H) mm³, 0.41kg	 238 (L) × 146(W) × 102 (H) mm³, 2.3 kg	 133 (L) × 130(W) × 65 (H) mm³, 1.2kg
