



MLL-S-1064/1~1500mW

**LOW NOISE INFRARED LASER
AT 1064nm**





All solid state low noise infrared laser 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 scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



SPECIFICATIONS

Model	MLL-S-1064-A (Harsh condition)	MLL-S-1064-B (Normal condition)	
Wavelength (nm)	1064±1		
Output power (mW)	>1,5,10,20,.....1500		
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		
Polarization ratio	>100:1		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
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	PSU-III-OEM-97
Operating temperature (°C)	0-60	10-35	
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-S-1064	PSU-H-FDA	PSU-III-FDA	PSU-III-OEM-97
 <p>100 (L) × 50 (W) × 38 (H) mm³, 0.41kg</p>	 <p>238 (L) × 146(W) × 102 (H) mm³, 2.3 kg</p>	 <p>133 (L) × 130(W) × 65 (H) mm³, 1.2kg</p>	 <p>81 × 79.5 × 46.6 mm³, 0.23kg</p>
