



MLL-S-1064/1~1500mW



LOW NOISE INFRARED LASER
AT 1064nm

All solid state low noise infrared laser is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost-effectiveness 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)	
Central wavelength (nm)	1064±1			
Operating mode	CW			
Output power (mW)	>1,5,10,...,400	>400,500,...,1500	>1,5,10,...,400	>400,500,...,1500
Power stability (rms, over 4 hours)	<1%,<3%,<5%			
Transverse mode	TEM ₀₀			
M ² factor	<1.2	<1.5	<1.2	<1.5
Beam diameter at the aperture(1/e ² ,mm)	1.00±0.05	1.20±0.05	1.00±0.05	1.20±0.05
Beam divergence, full angle (mrad)	<1.7	<1.8	<1.7	<1.8
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)			
Pointing stability after warm-up (mrad)	<0.05			
Pointing stability Over Temp. (μrad/°C)	<8			
Warm-up time (minutes)	<5			
Noise of amplitude (rms, 20Hz~20MHz)	<1%			
Beam height from base plate (mm)	19			
Power Consumption(W)	<40			
Shock Tolerance(6ms)	7g laterally,15g vertically			
IP Rating	IP67		IP65	
Power supply(90-264VAC)	PSU-H-FDA		PSU-A-FP PSU-III-OEM-97(5VDC)	
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			
Expected lifetime (hours)	10000			
Warranty	1 year			



MxL-S-1064	PSU-H-FDA	PSU-A-F	PSU-III-OEM-97
<p>100 (L) ×40 (W) ×40(H) mm³, 0.36kg</p>	<p>236(L) ×145(W) ×104 (H) mm³, 2.3kg</p>	<p>162(L) ×144(W) ×55(H) mm³, 0.5kg</p>	<p>94(L) ×75(W) ×49(H)mm³, 0.23kg</p>