

MLL-S-1064/1~1500mW

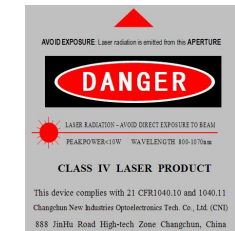
LOW NOISE INFRARED LASER AT 1064nm

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	
Operating mode	CW	
Output power (mW)	>1,5,10,20,...,1500	
Power stability (rms, over 4 hours)	<1%,<3%,<5%	
Transverse mode	TEM ₀₀	
M ² factor	<1.5	
Beam diameter at the aperture(1/e ² ,mm)	0.75±0.05	
Beam divergence, full angle (mrad)	<1.5	
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 or 5VDC)	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	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-S-1064	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>100 (L) × 50 (W) × 38 (H) mm³, 0.41kg</p>	<p>236(L) × 145(W) × 104 (H) mm³, 2.3kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H)mm³, 0.23kg</p>