

MIL-S-1064/1~1500mW

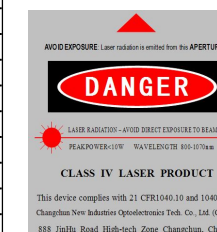
LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1064 nm

All solid state infrared laser at 1064 nm 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 scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



SPECIFICATIONS

Model	MIL-S-1064-A (Harsh condition)	MIL-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%			
Laser crystal	Nd:YVO ₄			
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			
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-LED	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-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>100 (L) × 50 (W) × 38 (H) mm³, 0.41kg</p>	<p>153 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H)mm³, 0.23kg</p>