

MIL-S-1064/1~1500mW



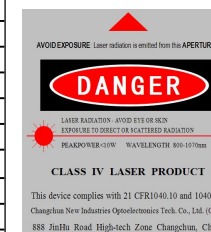
LD PUMPED ALL-SOLID-STATE
INFRARED LASER
AT 1064 nm

All solid state infrared laser at 1064 nm is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, 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	MIL-S-1064	
Central wavelength (nm)	1064±1	
Operating mode	CW	
Laser crystal	Nd:YVO ₄	
Output power (mW)	>1,5,10,...,400	>400,500,...,1500
Power stability (rms, over 4 hours)	<1%,<2%,<3%	<2%,<3%
Transverse mode	TEM ₀₀	
M ² factor	<1.2	<1.5
Beam diameter at the aperture(1/e ² ,mm)	1.00±0.05	1.20±0.05
Beam divergence, full angle (mrad)	<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	
Beam height from base plate (mm)	19	
Power Consumption(W)	<40	
Shock Tolerance(6ms)	7g laterally,15g vertically	
IP Rating	IP65	
Power supply(90-264VAC)	PSU-A-D	PSU-A-F
Operating temperature (°C)	10-35	
Max. Heat Dissipation of Head(W)	4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation	
Expected lifetime (hours)	10000	
Warranty	1 year	



MIL-S-1064	PSU-A-D	PSU-A-F
<p>100 (L) × 40 (W) × 40(H) mm³, 0.36kg</p>	<p>162 (L) × 144(W) × 70(H) mm³, 0.6kg</p>	<p>162(L) × 144(W) × 55(H) mm³, 0.5kg</p>