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DATA SHEET

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

All solid state infrared laser at 1064nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



Model: MIL-N-1064/4000~5000mW

Wavelength (nm)	1064 ± 1	
Output power (mW)	>4000, 4500, 5000	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Warm-up time (minutes)	10	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
M ² factor	<3.0	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~3.0	
Beam height from base plate (mm)	68.2	
Polarization ratio	>100:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-N-1064	PSU-H-LED	PSU-H-FDA
<p>240(L) × 99(W) × 68.2(H) mm³, 2.6kg</p>	<p>268 (L) × 145(W) × 106 (H) mm³, 2.6 kg</p>	<p>238 (L) × 146(W) × 102 (H) mm³, 2.3kg</p>