

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, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.

Wavelength (nm)	1064 ± 1nm		
Output power (mW)	>100, 200, 300, ..., 1500		
Laser crystal	Nd: YVO ₄		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<10		
M ² factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e ² (mm)	~1.5		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
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-III-1064	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>140.8(L) × 73(W) × 46.2(H) mm³, 0.6kg</p>	<p>133 (L) × 130(W) × 65 (H) mm³, 1.2kg</p>	<p>154 (L) × 155(W) × 95 (H) mm³, 1.5 kg</p>	<p>100 (L) × 62(W) × 56 (H) mm³, 0.2 kg</p>