



MIL-III-1064/1~1500mW

SPECIFICATIONS




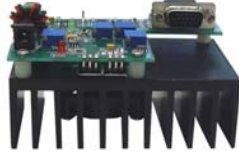
**LD PUMPED ALL-SOLID-STATE
INFRARED LASER AT 1064 nm**

All solid state infrared laser at 1064 nm 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 ± 1		
Output power (mW)	>1, 5, 10, 20, ... , 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-LED	PSU-III-FDA	PSU-III-OEM
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-1064	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 140.8(L)×73(W)×46.2(H) mm ³ , 0.6kg	 153 (L) ×155(W) ×92 (H) mm ³ , 1.5kg	 133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg	 100 (L) ×62(W) ×56 (H) mm ³ , 0.2kg
