



Lasertack

New Laser Generation

MIL-III-1313/1~400mW

SPECIFICATIONS

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1313 nm

All solid state infrared laser at 1313 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)	1313 ± 1		
Output power (mW)	>1, 5, 10, 20, ..., 400		
Laser crystal	Nd:YLF		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<10		
M ² factor	<1.2		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e ² (mm)	~1.5		
Beam height from base plate (mm)	24.8		
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-1313	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