



Lasertack

New Laser Generation

MLL-III-1313/1~400mW

LOW NOISE INFRARED LASER AT 1313 nm

All solid state low noise 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.



SPECIFICATIONS

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%
Noise of amplitude(rms, 20Hz~20MHz)	<1%
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
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