

Opto Engine LLC

Data sheet

Rev. 0912

MLL-H-1319/600~1500mW

LOW NOISE INFRARED LASER AT 1319 nm





All solid state low noise infrared laser at 1319 nm 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.



SPECIFICATIONS

Wavelength (nm)	1319±1		
Output power (mW)	>600, 700, 800, ..., 1500		
Laser crystal	Nd:YAG		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
Warm-up time (minutes)	<10		
M ² factor	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	29		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-H-1319	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
 <p>155(L)×77(W)×60(H) mm³, 0.9 kg</p>	 <p>240 (L) ×146(W) ×108 (H) mm³, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>	 <p>238 (L) ×146(W) ×94 (H) mm³, 2.2 kg</p>
