

Opto Engine LLC

Data sheet

Rev. 2102

MLL-III-1319/1~500mW



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



SPECIFICATIONS

Wavelength (nm)	1319±1	
Output power (mW)	>1, 5, 10, 20, ... , 200	>200, ... , 500
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<2%, <3%, <5%
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
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	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA PSU-III-OEM	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-III-1319	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p>