

Opto Engine LLC

Data sheet

Rev. 2102

MLL-III-1122/1~300mW



LOW NOISE INFRARED LASER AT 1122 nm

Low noise infrared laser at 1122 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)	1122±3	
Output power (mW)	>1, 5, 10, ..., 100	>100, ..., 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<2%, <3%, <5%
Transverse mode	TEM ₀₀	
Operating mode	CW	
Noise of amplitude (rms, 1~20MHz)	<1%	
Warm-up time (minutes)	<10	
M ² factor	<1.5	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~2.0	
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-97	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-III-1122	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>