

Opto Engine LLC

Data sheet

Rev. 0912

MLL-III-914/1~400mW

LOW NOISE INFRARED LASER AT 914 nm




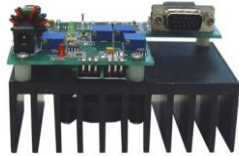
All solid state low noise infrared laser at 914 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	914±1		
Output power (mW)	>1, 10, 20, 30, ..., 400		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Noise of amplitude (rms, 1~20MHz)	<1%		
Warm-up time (minutes)	<10		
M ² factor	<1.2		
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-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-914	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
			
140.8(L)×73(W)×46.2(H) mm ³ , 0.6kg	154 (L) ×155(W) ×95 (H) mm ³ , 1.5kg	133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg	100 (L) ×60(W) ×56 (H) mm ³ , 0.2kg
