

Opto Engine LLC

Data sheet

Rev. 1505

MLL-III-800/1~2500mW

SPECIFICATIONS




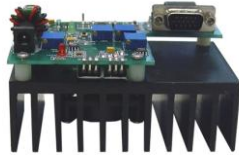
LOW NOISE INFRARED DIODE LASER AT 800nm

Low noise infrared diode laser module at 800nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Wavelength (nm)	800±5		
Output power (mW)	>1, 100, 200, 300, ..., 2500		
Transverse mode	Multimode		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
Warm-up time (minutes)	<5		
M ² factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Dimensions of beam at the aperture (mm)	~5×8		
Beam height from base plate (mm)	24.8		
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		



MLL-III-800	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 <p>136(L)×73(W)×46.2(H) mm³, 0.6kg</p>	 <p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	 <p>100 (L) ×62(W) ×56 (H) mm³, 0.2kg</p>
