

# Opto Engine LLC

## Data sheet

Rev. 0912

MLL-III-845 nm/1~30mW

### SPECIFICATIONS

### LOW NOISE INFRARED DIODE LASER AT 845 nm

The diode low noise laser module at 845 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Wavelength (nm)	845±10		
Output power (mW)	>1, 2, 3, ...,30		
Transverse mode	Near TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude(rms,1~20MHz)	<1%		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	0.5		
Beam diameter at the aperture (mm)	~4.0		
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)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-III-845	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>140. 8(L)×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6kg</p>	<p>154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	<p>100 (L) ×60(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>