

# Opto Engine LLC

## Data sheet

Rev. 0912

MLL-III-830 /1~30mW

### LOW NOISE INFRARED DIODE LASER AT 830nm

Low noise infrared diode laser at 830nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



### SPECIFICATIONS

Wavelength (nm)	830±10
Output power (mW)	>1, 5, 10, ..., 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%
Coherence length (cm)	20
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<1.0
Dimensions of beam at the aperture (mm)	~3. 0
Beam height from base plate (mm)	24.8
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-III-FDA
Warranty	1 year



MLL-III -830	Dimension	PSU-III-FDA	Dimension
<p>140. 8(L)×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6kg</p>		<p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	