

# Opto Engine LLC

## Data sheet

Rev. 0912

MDL-III-1560/1~1000mW

### INFRARED DIODE LASER At 1560nm

Diode infrared laser module at 1560nm, is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



#### SPECIFICATIONS

Wavelength (nm)	1560±10		
Output power (mW)	>1, 100, 150, 200, ..., 1000		
Transverse mode	Near TE <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M <sup>2</sup> 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		
Polarization ratio	>50:1		
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		
Remarks	MDL is a diode laser module, so the beam quality is not as good as the solid-state laser. The beam spot is nearly square.		



MxL-III-1560	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>