

Opto Engine LLC

Data sheet

Rev. 0912

MDL-III-785R/1~300mW

SPECIFICATIONS




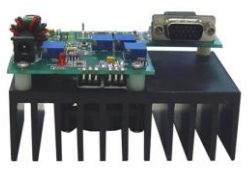
INFRARED DIODE LASER AT 785nm

Diode infrared laser module at 785nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Wavelength (nm)	785±5		
Output power (mW)	>1, 50, 100, ... , 300		
Energy distribution	Even		
Beam Spot	Round		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	<8.0		
Dimensions of beam 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
TTL / Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-785R	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 <p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p>	 <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	 <p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p>
