

MDL-III-785/1~2500mW

INFRARED DIODE LASER AT 785nm




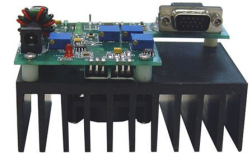
Diode infrared laser module at 785nm is made features of ultra compact, long lifetime and easy operating, which is specially designed for Raman spectroscopy, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Model	MDL-III-785-Lock	MDL-III-785
Wavelength (nm)	785 ± 0.3	785 ± 5
Spectral line width(nm)	<0.2	<2.0
Output power (mW)	>1, 50, 100, ... ,600	>1, 50, 100, ... , 2500
Dimensions of beam at the aperture (mm)	~10×1	~5×8
Transverse mode	Multimode	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M ² factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA PSU-III-OEM
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-785	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>
