



MDL-III-785/1~2500mW

## INFRARED DIODE LASER AT 785nm




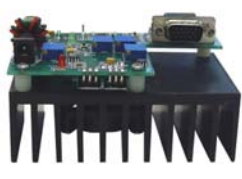
Diode infrared laser module at 785nm is made features of ultra compact, long lifetime and easy operating, which is specially designed for Raman spectroscopy, measurement, communication, spectrum analysis, etc.



### 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	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		
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
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) mm<sup>3</sup>, 0.6kg</p>	 <p>153 (L) ×155(W) ×92 (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) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>
