



MLL-III-785/1~2500mW

### LOW NOISE INFRARED DIODE LASER AT 785nm

Low noise 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.



#### SPECIFICATIONS

Model	MLL-III-785A	MLL-III-785B	
Wavelength (nm)	785 ± 0.3	785 ± 5	
Spectral line width(nm)	<0.2	<2.0	
Output power (mW)	>1, 50, 100, ... ,800	>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%		
Noise of amplitude (rms, 1~20MHz)	<1%		
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
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>