



MLL-III-785-Lock/1~600mW



LOW NOISE INFRARED DIODE LASER AT 785nm

Low noise 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

Wavelength (nm)	785±0.3	
Operating mode	CW	
Output power (mW)	>1, 50, 100, ..., 600	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Multimode	
Spectral line width(nm)	<0.2	
Noise of amplitude(rms,20Hz~20MHz)	<1%	
Dimensions of beam at the aperture (mm)	~10×1	
Beam divergence, full angle (mrad)	<3.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz - 100kHz)
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-785-Lock	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>146 (L) ×73(W) ×46.2 (H) mm<sup>3</sup>, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>162(L) ×144(W) ×70 (H) mm<sup>3</sup>, 1.0kg</p>