



MLL-III-635L/637/640/1~200mW



**LOW NOISE RED DIODE LASER
AT 635/637/640nm**

Low noise red diode laser at 635/637/640nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS

Model	MLL-III-635L	MLL-III-637	MLL-III-640
Wavelength (nm)	635±5	637±5	640±5
Operating mode	CW		
Output power (mW)	>1,10,20,..., 200		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Near TEM ₀₀		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
M ² factor	<1.5 (<1.2, optional)		
Beam diameter at the aperture (1/e ² ,mm)	~3.0 (~1.2, optional)		
Beam divergence, full angle (mrad)	<1.0		
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)	<5		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	24.8		
Operating temperature (°C)	10~35		
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA		
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-635L/637/640	PSU-III-LED	PSU-III-FDA
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>

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