



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



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

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	635±7/-5	637±5	640±5
Operating mode	CW		
Output power (mW)	>1,10,20,..., 200		
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%		
Transverse mode	Near TEM ₀₀		
Noise of amplitude (rms, 1Hz~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 (Frequency for 1Hz-30kHz)	
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)	
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional		
Expected lifetime (hours)	10000		
Warranty	1 year		



MLL-III-635L/637/640	PSU-III-LED	PSU-III-FDA	PSU-A-D
<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>	<p>162(L)×144(W)×70 (H) mm³, 1.0kg</p>