

Model: **MLL-III-635L/1~200mW**



Your source for high quality, affordable lasers

## DATA SHEET

### LOW NOISE RED DIODE LASER AT 635nm

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

Wavelength ( nm )	635 ± 5nm	
Output power ( mW )	>10, 50, ..., 200	
Transverse mode	Near TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Warm-up time (minutes)	<5	
M <sup>2</sup> factor	<1.5	
Beam divergence, full angle (mrad)	<1.0	
Beam diameter at aperture (mm)	~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)	PSU-III-FDA	PSU-III-LED
Expected lifetime (hours)	10,000	
Warranty period	1 year	



MxL-III-635L	Laser Head Dimensions	PSU-III-FDA	PSU-III-LED
	<p>143.5(L) × 73(W) × 46.2(H) mm<sup>3</sup>, 0.7kg</p>	<p>171(L) × 130(W) × 62.2(H) mm<sup>3</sup>, 1.2kg</p>	<p>188.6(L) × 155(W) × 92(H) mm<sup>3</sup>, 1.5 kg</p>