

DATA SHEET

LOW NOISE RED LASER AT 633nm

Low noise red laser module at 633nm is made features of TEM₀₀, long lifetime, and easy operating, which is widely used in measurement, spectrum analysis as the substitute for He-Ne lasers.



Model: MLL-III-633 / 1~100mW

Wavelength (nm)	633 ± 3nm	
Output power (mW)	>1, 10, 50, ..., 100	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Noise of amplitude (rms, 1~20MHz)	<1%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Beam diameter at the aperture (mm)	~3.0	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-III-LED	PSU-III-FDA
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-III-633	Dimensions	PSU-III-LED	PSU-III-FDA
	139(L) × 73(W) × 46.2(H) mm³, 0.6kg	154 (L) × 155(W) × 95 (H) mm³, 1.5kg	133 (L) × 130(W) × 65 (H) mm³, 1.2kg