Nano-Giga

Your source for high quality, affordable lasers

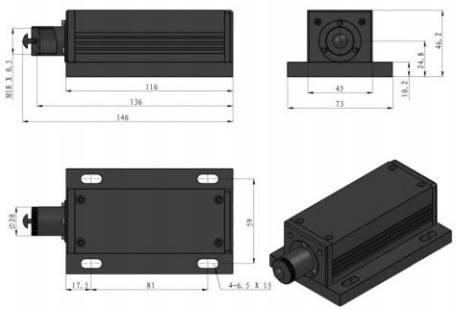
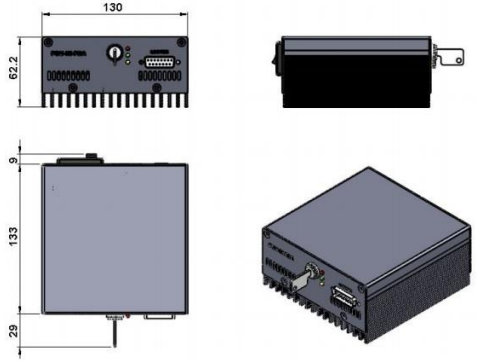
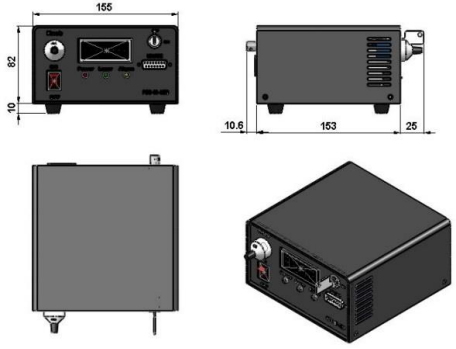
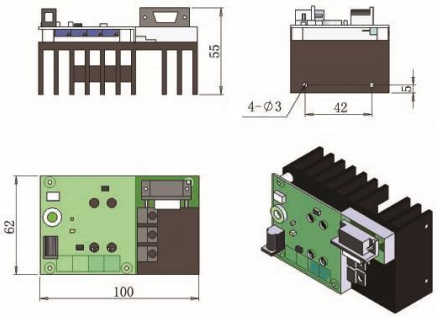
DATA SHEET

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.

Model: MLL-III-635/200~500mW

Wavelength (nm)	635 ±10nm		
Output Power (mW)	>200, 300, …, 500		
Transverse Mode	Multimode		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
Warm-up time (minutes)	<10		
M^2 factor	<20		
Beam divergence, full angle (mrad)	<2.5		
Dimensions of beam at aperture (mm)	~5 x 8		
Beam height from base plate (mm)	24.8		
Polarization ratio	>50:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (℃)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
Expected lifetime (hours)	10,000		
Warranty period	1 year		

MxL-III-635	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
			
146(L) ×73(W) ×46.2(H) mm³, 0.7kg	**171(L) ×130(W) ×62.2(H) mm³, 1.2kg**	**188(L) ×155(W) ×92(H) mm³, 1.5 kg**	**100(L) ×62(W) ×55(H) mm³, 0.2 kg**