Nano-Giga

Your source for high quality, affordable lasers

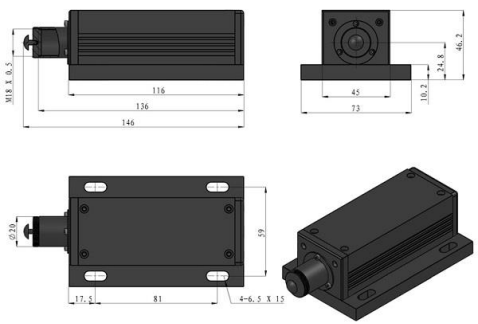
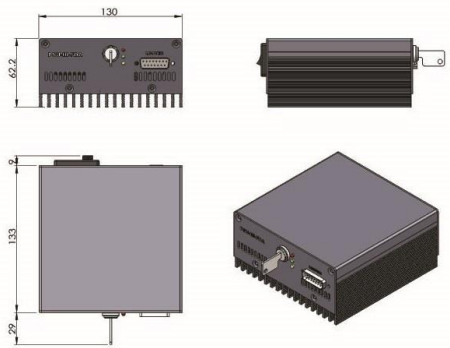
DATA SHEET

RED DIODE LASER AT 750nm

Diode red laser module at 750nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, optogenetics research, communication, spectrum analysis, etc.

Model: MDL-III-750/1~2000mW

Model	MDL-III-750	
Wavelength (nm)	750 ± 5nm	
Output power (mW)	>100, 300, 500, …, 2000	
Transverse mode	Multimode	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M^2 factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Dimensions of beam at the aperture (mm)	~ 5x8	
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
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-III-750	Laser Head Dimensions	PSU-III-FDA	PSU-III-LED
			
	146(L) ×73(W) ×46.2(H) mm³, 0.6kg	**171(L) ×130(W) ×62.2(H) mm³, 1.2kg**	**188(L) ×155(W) ×92(H) mm³, 1.5 kg**