

DATA SHEET

RED DIODE LASER AT 730nm

Red diode laser at 730nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



Model: MDL-III-730/100~1500mW

Wavelength (nm)	730 ± 3nm	
Output power (mW)	>100, 200, 500, ..., 1500	
Transverse mode	Near TE ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
M ² factor	<20	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<3.0	
Dimensions of beam at aperture (mm)	~5 x 8	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
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-730	Dimensions	PSU-III-LED	PSU-III-FDA
	139(L) × 73(W) × 46.2(H) mm³, 0.6kg	154 (L) × 155(W) × 95 (H) mm³, 1.5 kg	133 (L) × 130(W) × 65 (H) mm³, 1.2kg