



MDL-III-830L/1~120mW

**INFRARED DIODE LASER AT 830nm**

Infrared diode laser at 830nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



**SPECIFICATIONS**

Wavelength (nm)	830 ± 10		
Output power (mW)	>1, 5, 10, ..., 120		
Spectral line width (nm)	<0.5		
Transverse mode	Near TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	<1.0		
Dimensions of beam 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	PSU-III-OEM
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-830	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 139(L)×73(W)×46.2(H) mm <sup>3</sup> , 0.6kg	 153 (L) ×155(W) ×92 (H) mm <sup>3</sup> , 1.5kg	 133 (L) ×130(W) ×65 (H) mm <sup>3</sup> , 1.2kg	 100 (L) ×62(W) ×56 (H) mm <sup>3</sup> , 0.2kg