

MDL-III-830L/1~120mW

INFRARED DIODE LASER AT 830nm

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



SPECIFICATIONS

Wavelength (nm)	830±10	
Operating mode	CW	
Output power (mW)	>1, 5, 10, ..., 120	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM ₀₀	
Dimensions of beam at the aperture (1/e ² ,mm)	~3.0	
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-LED	PSU-III-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-830L	PSU-III-LED	PSU-III-FDA
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171 (L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>