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## DATA SHEET

### INFRARED DIODE LASER AT 830nm

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

Model: MDL-III-830L/1~120mW

Wavelength ( nm )	830 ± 10nm		
Output power ( mW )	>10, 20, ..., 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 or 5VDC)	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off		
Expected lifetime (hours)	10,000		
Warranty period	1 year		



MxL-III-830L	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>140.5(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.6kg</p>	<p>133(L)×130(W)×62.2(H) mm<sup>3</sup>, 1.2kg</p>	<p>153(L)×155(W)×92(H) mm<sup>3</sup>, 1.5 kg</p>	<p>100(L)×62(W)×55(H) mm<sup>3</sup>, 0.2 kg</p>