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DATA SHEET

INFRARED DIODE LASER AT 852nm

Infrared diode laser module at 852nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, spectrum analysis, etc.



Model: MDL-III-852L/1~120mW

Wavelength (nm)	852 ±5nm		
Output Power (mW)	>10, 20, ..., 120		
Spectral line width (nm)	<0.5		
Transverse mode	Near TEM ₀₀		
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-852L	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>139(L) ×73(W) ×46.2(H) mm³, 0.6kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	<p>154 (L) ×155(W) ×95 (H) mm³, 1.5 kg</p>	<p>100 (L) ×62(W) ×56 (H) mm³, 0.2 kg</p>