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DATA SHEET

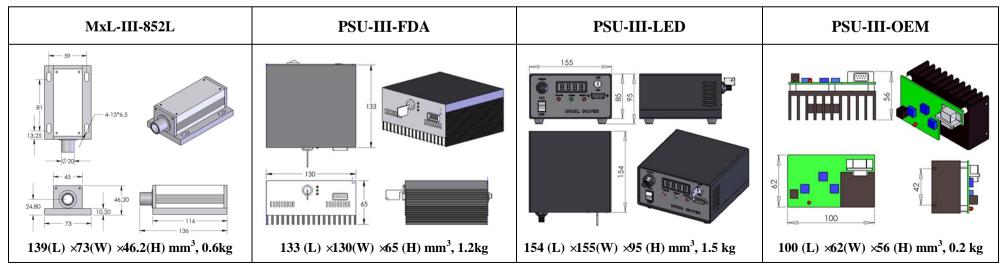
INFRARED DIODE LASER AT 852nm

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		



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