

MDL-III-450/1~1000mW

BLUE DIODE LASER AT 450nm

Diode laser module at 450 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	450±5	
Output power (mW)	>1, 10, 20, ...,500	>500, 600, ...,1000
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)	<1.5	<3.0×0.5
Beam diameter at the aperture (mm)	~5	~2×4
Beam height from base plate (mm)	24.8	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-III-450	PSU-III-LED	PSU-III-FDA
 <p style="text-align: center;">139(L)×73(W)×46.2(H) mm³, 0.6kg</p>	 <p style="text-align: center;">153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	 <p style="text-align: center;">133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>
		