

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
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 10kHz)	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-III-450	PSU-III-LED	PSU-III-FDA
 <p style="text-align: center;">140. 8(L)×73(W) ×46. 2(H) mm³, 0.6kg</p>	 <p style="text-align: center;">154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	 <p style="text-align: center;">133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>
		