

MDL-III-447/1~1000mW

BLUE DIODE LASER AT 447 nm

Diode laser module at 447 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Wavelength (nm)	447±5		
Output power (mW)	>1, 2, 3, ...,50	>50, 60, ...,500	>500, 600, ...,1000
Transverse mode	Near TEM ₀₀	TE ₀₀	
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	<1×0.8	<2.1×1.6	<2.5×0.2
Dimensions of beam at the aperture (mm)	~2.5×1	~5.2×2.5	~2×5
Beam height from base plate (mm)	24.8		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (85-264VAC)	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-447	PSU-III-LED	PSU-III-FDA
<p>139(L)×73(W)×46.2(H) mm³, 0.6kg</p>	<p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>