

MDL-III-450/1~1000mW

**BLUE DIODE LASER
AT 450 nm**

Blue diode laser module at 450nm 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		
Operating mode	CW		
Output power (mW)	>1,2, ...,50	>50,60, ...,500	>500,600, ...,1000
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Near TEM ₀₀	Multimode	Multimode
M ² factor	<1.5 (<1.2, optional)	<5	<5
Beam diameter at the aperture ((1/e ²),mm)	~2.5 (~1.0, optional)	<2.5×5.2	<2×5
Beam divergence, full angle (mrad)	<1	<2.1×1.6	<2.5×0.2
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	24.8		
Operating temperature (°C)	10~35		
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA		
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional		
Expected lifetime (hours)	10000		
Warranty	1 year		

