

MDL-F-445/447/450/1000~3500mW

BLUE DIODE LASER AT 445/447/450NM

Diode laser module at 445/447/450 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

Model	MDL-F-445	MDL-F-447	MDL-F-450
Wavelength (nm)	445±5	447±5	450±5
Operating mode	CW		
Output power (mW)	>100, 500, 1000, ...,2000		>2000, 2500, ...,3500
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Multimode		
Beam diameter at the aperture ((1/e ²),mm)	~2.7×2.7		~3.5×3.5
Beam divergence, full angle (mrad)	1.4×0.2		
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	45		
Operating temperature (°C)	10~35		
Power supply (100-240VAC)	PSU-H-LED/ PSU-H-FDA		
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional		
Expected lifetime (hours)	10000		
Warranty	1 year		

