

MLL-F-445/1000~2000mW

SPECIFICATIONS





LOW NOISE BLUE DIODE LASER AT 445 nm

Low noise diode laser module at 445 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in scientific research, etc.



Model	MLL-F-445(H)	MLL-F-445(V)	
Wavelength (nm)	445 ±5		
Output power (mW)	>1000, 1500, ...2000		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M ² factor	<5		
Beam divergence, full angle (mrad)	<1.5		
Dimensions of beam at the aperture (mm)	~4 ×4		
Beam height from base plate (mm)	45		
Pointing stability after warm-up (mrad)	<0.05		
Polarization direction	Horizontal	Vertical	
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-FDA	PSU-H-LED	PSU-H-OEM-S
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MLL-F-445	PSU-H-FDA	PSU-H-LED	PSU-H-OEM-S
 209(L) × 88(W) × 74(H) mm ³ , 1.6 kg	 238 (L) × 146(W) × 102 (H) mm ³ , 2.3 kg	 268 (L) × 145(W) × 106 (H) mm ³ , 2.6 kg	 190(L) × 104(W) × 85(H) mm ³ , 1.3 kg
