

MLL-F-447/1000~2000mW

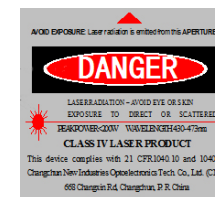
LOW NOISE BLUE DIODE LASER AT 447 nm





Low noise 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, ect.



SPECIFICATIONS

Model	MLL-F-447(H)	MLL-F-447(V)	
Wavelength (nm)	447±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		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
Polarization direction	Horizontal	Vertical	
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-447	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
