

MLL-F-447/1000~3500mW

### 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	
Wavelength (nm)	447±5	
Output power (mW)	>1000, 1500, ...,2000	>2000, 2500, ...,3500
Transverse mode	Multimode	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M <sup>2</sup> factor	<5	
Beam divergence, half angle (mrad)	0.7×0.1	
Beam diameter at the aperture (mm)	~2.7×2.7 (1/e <sup>2</sup> ) / 1.7×1.7 (FWHM)	~4×4
Beam height from base plate (mm)	45	
Polarization ratio	>50:1 (0 or 90 degree)	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Pointing stability after warm-up (mrad)	<0.05	
Shock Tolerance (6ms)	7g laterally, 15g vertically	
Operating temperature (°C)	10~35	
Power supply (100-240VAC)	PSU-H-LED / PSU-H-FDA / PSU-H-OEM-S	
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	



MLL-F-447	PSU-H-LED	PSU-H-FDA	PSU-H-OEM-S
 <p>216.5(L)×88(W) ×74(H) mm<sup>3</sup>, 1.6 kg</p>	 <p>277(L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.2 kg</p>	 <p>275 (L) ×145(W) ×104(H) mm<sup>3</sup>, 2.0 kg</p>	 <p>190(L)×104(W) ×85(H) mm<sup>3</sup>, 1.3 kg</p>
