

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 <sub>00</sub>	
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, 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
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
 <p>209(L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm<sup>3</sup>, 2.3 kg</p>	 <p>268 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	 <p>190(L)×104(W)×85(H) mm<sup>3</sup>, 1.3 kg</p>
