

MDL-F-447/1000~2000mW

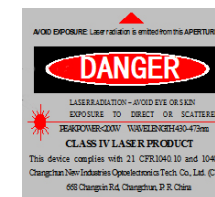
**BLUE DIODE LASER
AT 447 nm**





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, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Model	MDL-F-447		
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, half angle (mrad)	0.7×0.1 (V/H)		
Beam diameter at the aperture (mm)	~2.7×2.7 (1/e ²) / 1.7×1.7 (FWHM)		
Beam height from base plate (mm)	45		
Pointing stability after warm-up (mrad)	<0.05		
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		



MDL-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
