

### MDL-F-450/1000~2000mW

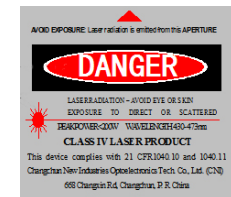
### BLUE DIODE LASER AT 450 nm





Diode laser module at 450 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-450(H)	MDL-F-450(V)	
Wavelength (nm)	450±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	
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-450	PSU-H-FDA	PSU-H-LED	PSU-H-OEM-S
			
209(L)×88(W)×74(H) mm <sup>3</sup> , 1.6 kg	238 (L) ×146(W) ×102 (H) mm <sup>3</sup> , 2.3 kg	268 (L) ×145(W) ×106 (H) mm <sup>3</sup> , 2.6 kg	190(L)×104(W) ×85(H) mm <sup>3</sup> , 1.3 kg
