

MDL-F-454/800~2000mW



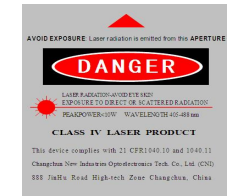
**BLUE DIODE LASER
AT 454nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, biomedical applications, ect.



SPECIFICATIONS

Central wavelength (nm)	454±5
Operating mode	CW
Output power (mW)	>800, 1000, 1200, ...,2000
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%
Transverse mode	Multimode
Beam diameter at the aperture ((1/e ²),mm)	~3.0×3.5
Beam divergence, full angle (mrad)	~2.5×0.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	45
Operating temperature (°C)	10~35
Power supply (100-240VAC)	PSU-H-LED/ PSU-H-FDA
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz; and Analog modulation optional
Expected lifetime (hours)	10000
Warranty	1 year



MDL-F-454	PSU-H-LED	PSU-H-FDA
<p>216.5 (L) × 88 (W) × 74 (H) mm³, 1.4kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm³, 2.3kg</p>	<p>275 (L) × 145 (W) × 104 (H) mm³, 2.1kg</p>