

MBL-F-480/1-50mW



**LD PUMPED ALL-SOLID-STATE
BLUE LASER AT 480 nm**

All solid state 480 nm blue laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	480 ± 1
Operating mode	CW
Output power (mW)	>1, 2, 5, ..., 50
Power stability (rms, over 4 hours)	<5%, <10%
Transverse mode	Near TEM ₀₀
M ² factor	<2.0
Beam diameter at the aperture (1/e ² , mm)	~3.0
Beam divergence, full angle (mrad)	<1.5
Beam height from base plate (mm)	45
Polarization ratio	>100:1 Horizontal ± 5 degree (Vertical Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR
Modulation option	TTL on/off, 1Hz-1KHz
Expected lifetime (hours)	10000
Warranty period	1 year



MBL-F-480	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>211 (L) × 88 (W) × 74 (H) mm³, 1.6 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm³, 2.6 kg</p>	<p>275 (L) × 145 (W) × 104 (H) mm³, 2.3 kg</p>	<p>188 (L) × 145 (W) × 83 (H) mm³, 1.2 kg</p>