

MBL-III-473/1~100mW



### LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 473nm 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)	473 ± 1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, ..., 50	>50, ..., 100
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~1.2	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)	
Noise of amplitude (rms, 1~20MHz)	~30%	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED PSU-III-FDA PSU-III-OEM-97	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MBL-III-473	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p>153 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>