

MBL-H-491/1~2mW



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

All solid state 491nm 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)	491 ± 1	
Operating mode	CW	
Output power (mW)	>1, 2	
Power stability (rms, over 4 hours)	<10%	
Transverse mode	Near TEM <sub>00</sub>	
Noise of amplitude (rms, 1~20MHz)	~30%	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~3.0	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 (0 or 90 degree)	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	29	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-H-491	PSU-H-LED	PSU-H-FDA
<p>154.5(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>