



MBL-S-473/1~100mW



LD PUMPED ALL-SOLID-STATE
BLUE LASER

All solid state 473nm blue laser is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, low cost and easy operating, working under the pressure of 0.02kPa, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, etc.



SPECIFICATIONS

Model	MBL-S-473-A(Harsh condition)		MBL-S-473-B (Normal condition)		
Wavelength (nm)	473±1				
Operating mode	CW				
Output power (mW)	>1,5,10,20,...,100				
Power stability (rms, over 4 hours)	<3%,<5%				
Transverse mode	TEM ₀₀				
M ² factor	<1.2				
Beam diameter at the aperture(1/e ² ,mm)	0.7±0.05				
Beam divergence, full angle (mrad)	<1.5				
Polarization ratio	>100:1 Vertical±5 degree (Horizontal Optional)				
Pointing stability after warm-up (mrad)	<0.05				
Pointing stability Over Temp. (μrad/°C)	<8				
Warm-up time (minutes)	<5				
Beam height from base plate (mm)	19				
Power Consumption(W)	<30				
Shock Tolerance(6ms)	7g laterally,15g vertically				
IP Rating	IP67		IP65		
Power supply(90-264VAC or 5VDC)	PSU-H-FDA		PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
Operating temperature (°C)	0-60		10-35		
Max. Heat Dissipation of Head(W)	10W@50°C		4W@25°C		
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option				
Expected lifetime (hours)	10000				
Warranty	1 year				



MxL-S-473	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>100 (L) × 40 (W) × 40(H) mm³, 0.41kg</p>	<p>153 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H)mm³, 0.23kg</p>