



MLL-III-473/1~100mW

LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 473nm low noise laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, laser printing, interference, holography, laser printing, chip inspection, physics experiments, etc.



SPECIFICATIONS

Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, ... , 100	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Transverse mode	TEM ₀₀	
Noise of amplitude (rms, 20Hz~20MHz)	<3%	
M ² factor	<1.2	
Beam diameter at the aperture 1/e ² (mm)	~1.2	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-OEM-97
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-473	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p>