



MLL-FN-523.5/1~400mW



**LD PUMPED ALL-SOLID-STATE
LOW NOISE GREEN LASER**

All solid state 523.5nm green laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.



SPECIFICATIONS

Central wavelength (nm)	523.5±1	
Operating mode	CW	
Output power (mW)	>1, 10, 50, ... ,400	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Transverse mode	Near TEM ₀₀	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
M ² factor	<1.5	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Horizontal ±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Expected lifetime (hours)	10000	
Warranty	1 year	



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MXL-FN-523.5	PSU-H-LED	PSU-H-FDA
<p>197(L)×70(W)×50(H) mm³, 1.36kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>236(L) ×145(W) ×104(H) mm³, 2.3 kg</p>