



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> |