

MLL-F-457/1~1000mW



LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 457nm 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 experiment, etc.



SPECIFICATIONS

| | | |
|---|---------------------------|---|
| Wavelength (nm) | 457 ± 1 | |
| Operating mode | CW | |
| Output power (mW) | >1, 10, 20, 30, ... , 400 | >400, 550, 600, ... , 1000 |
| Transverse mode | Near TEM ₀₀ | Near TEM ₀₁ , (Near TEM ₀₀ on request.) |
| Power stability (rms, over 4 hours) | <3%, <5%, <10% | |
| Noise of amplitude (rms, 20Hz~20MHz) | <3% | |
| M ² factor | <2.0 | |
| Beam diameter at the aperture(1/e ² , mm) | ~3.0 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Polarization ratio | >100:1 | |
| Warm-up time (minutes) | <10 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Beam height from base plate (mm) | 45 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC) | PSU-H-FDA/PSU-H-OEM | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



| MxL-F-457 | PSU-H-FDA | PSU-H-OEM |
|---|---|--|
| <p>211 (L) × 88 (W) × 74 (H) mm³, 1.6 kg</p> | <p>275 (L) × 145 (W) × 104 (H) mm³, 2.3 kg</p> | <p>245.5 (L) × 146 (W) × 94 (H) mm³, 2.2 kg</p> |