

MLL-FN-473/1-400mW



**LD PUMPED ALL-SOLID-STATE
LOW NOISE BLUE LASER
AT 473nm**

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, physics experiments, etc.

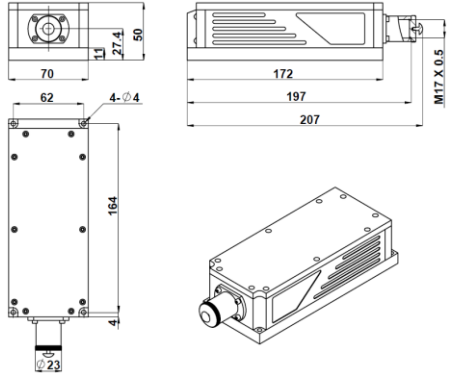

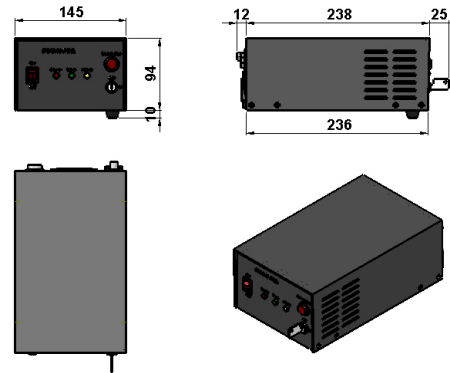


SPECIFICATIONS

| | | |
|---|---|------------------------|
| Wavelength (nm) | 473±1 | |
| Operating mode | CW | |
| Output power (mW) | >1, 50, 100, ..., 300 | >300, 350, 400 |
| Power stability (rms, over 4 hours) at 25°C | <1%, <3%, <5% | |
| Transverse mode | TEM ₀₀ | Near TEM ₀₀ |
| Spectral linewidth (nm) | <0.2 (< 0.003 Optional) | <0.2 |
| Noise of amplitude (rms, 20Hz~20MHz) | <1% | |
| M ² factor | <1.2 | <1.5 |
| Beam diameter at the aperture (1/e ² , mm) | ~2.0 | ~3.0 |
| 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) | 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-473 | PSU-H-LED | PSU-H-FDA |
|---|--|---|
|  <p>197(L)×70(W)×50(H) mm³, 2.0 kg</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> |