

MSL-FN-556/1~500mW

**SINGLE LONGITUDINAL MODE
YELLOW LASER at 556 nm**

All solid state single longitudinal mode yellow laser at 556 nm is made features of ultra compact, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.


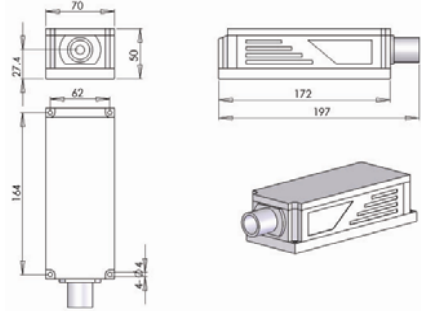

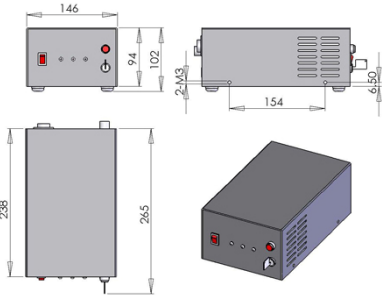


SPECIFICATIONS

| | |
|---|---|
| Wavelength (nm) | 556±1 |
| Output power (mW) | >1, 5, 10, ..., 500 |
| Transverse mode | TEM ₀₀ |
| Longitudinal mode | Single |
| Operating mode | CW |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% |
| Warm-up time (minutes) | <10 |
| M ² factor | <1.2 |
| Beam divergence, full angle (mrad) | <1.5 |
| Beam diameter at the aperture (mm) | ~2.0 |
| Beam height from base plate (mm) | 27.4 |
| Spectral linewidth (nm) | <0.00001 |
| Polarization ratio | >100:1, Vertical ± 5 degree (Horizontal degree) |
| Pointing stability after warm-up (mrad) | <0.05 |
| Noise of amplitude (rms, 20Hz~20MHz) | <0.5% |
| Coherent length (m) | >50 |
| Operating temperature (°C) | 15~35 |
| Power supply (90-264VAC or 5V DC) | PSU-H-FDA |
| Modulation | Modulation isn't available. |
| Expected lifetime (hours) | 10000 |
| Warranty period | 1 year |



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

| MxL-FN-556 | Dimension | PSU-H-FDA | Dimension |
|--|--|--|---|
|  <p>197(L)×70(W) ×50(H), 2.0 kg</p> |  |  <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p> |  |