

MLL-FN-556/1~200mW

### LD PUMPED ALL-SOLID-STATE LOW NOISE YELLOW GREEN LASER AT 556nm

Low noise yellow green laser at 556nm is made features of ultra compact, long lifetime, low cost and high stability, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



#### SPECIFICATIONS

|   |   |           |
|---|---|-----------|
| Wavelength (nm)                                       | 556±1   |           |
| Operating mode  | CW  |           |
| Output power (mW)                                     | >1, 5, 10, 20, ... , 200                        |           |
| Power stability (rms, over 4 hours)                   | <3%, <5%, <10%                                  |           |
| Transverse mode                                       | TEM <sub>00</sub>                               |           |
| M <sup>2</sup> factor                                 | <1.2  |           |
| Noise of amplitude (rms, 20Hz~20MHz)                  | <1%   |           |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~2.0  |           |
| 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-556                                       | PSU-H-LED  | PSU-H-FDA  |
|--|--|--|
| <p>197(L)×70(W)×50(H) mm<sup>3</sup>, 2.0 kg</p> | <p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p> | <p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p> |