

MLL-U-561 /1~200mW



### ULTRA- LOW NOISE DPSS LASER AT 561nm

Supper low noise laser at 561nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



### SPECIFICATIONS

|   |   |
|---|---|
| Wavelength (nm)                                       | 561±1   |
| Operating mode  | CW  |
| Output power (mW)                                     | >1, 5, 10, 20, ... , 200  |
| Power stability (rms, over 4 hours)                   | <1%, <3%, <5%   |
| Transverse mode                                       | TEM <sub>00</sub>   |
| Spectral linewidth (nm)                               | <0.003  |
| Noise of amplitude (rms, 1Hz~20MHz)                   | <0.5%, <1%  |
| M <sup>2</sup> factor                                 | <1.2  |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | 0.70±0.05   |
| Beam divergence (mrad)                                | <1.5  |
| Polarization Ratio                                    | >100:1, Vertical±5 degree   |
| Warm-up time (minutes)                                | <10   |
| Pointing stability after warm-up (mrad)               | <0.05   |
| Beam height from base plate (mm)                      | 27.4  |
| Laser head consumption(W)                             | 15 (typical) , <25 (40℃)  |
| Max. Laser Head Base plate Temp ( °C)                 | 50  |
| Operating Temperature ( °C)                           | 10-40   |
| Power supply (90-264VAC)                              | PSU-H-FDA   |
| Modulation option                                     | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional |
| Expected lifetime (hours)                             | 10000   |
| Warranty  | 1 year  |



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

| MXL-U-561   | PSU-H-FDA  |
|---|--|
| <p>142.5 (L) ×60(W) ×50(H) mm<sup>3</sup>, 1.0 kg</p> | <p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p> |