

MSL-R-671/ 500~800mW

**SINGLE LONGITUDINAL MODE  
INFRARED LASER AT 671 nm**

All solid state single frequency laser at 671nm is made features of high power, 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)                                      | 671 ± 1               |
| Operating mode                                       | CW                    |
| Output power (mW)                                    | >500, 600, ....., 800 |
| Power stability (rms, over 4 hours)                  | <3%, <5%, <10%        |
| Transverse mode                                      | TEM <sub>00</sub>     |
| Longitudinal mode Single                             | Single                |
| Noise of amplitude (rms, 20Hz~20MHz)                 | <1%                   |
| Polarization ratio                                   | >100:1                |
| M <sup>2</sup> factor                                | <1.2                  |
| Beam divergence, full angle (mrad)                   | <1.5                  |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~1.5                  |
| Spectral linewidth (nm)                              | <0.00001              |
| Pointing stability after warm-up (mrad)              | <0.05                 |
| Beam height from base plate (mm)                     | 58                    |
| Warm-up time (minutes)                               | <10                   |
| Operating temperature (°C)                           | 20~30                 |
| Power supply (90-264VAC)                             | PSU-W-FDA             |
| Expected lifetime (hours)                            | 10000                 |
| Warranty period                                      | 1 year                |



| MSL-R-671   | PSU-W-FDA   | Water Chiller   |
|---|---|---|
| <p>427(L) × 190(W) × 83(H) mm<sup>3</sup>, 11kg</p> | <p>307 (L) × 168(W) × 123(H) mm<sup>3</sup>, 4.5 kg</p> | <p>369(L) × 350(W) × 347(H) mm<sup>3</sup>, 22 kg</p> |