

**MSL-FN-660/1~20mW**



**SINGLE LONGITUDINAL MODE  
LASER AT 660nm**

All solid state single longitudinal mode laser at 660nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, brillouin scattering, physics experiment, etc.

**SPECIFICATIONS**

|                                                       |                                                |
|-------------------------------------------------------|------------------------------------------------|
| Wavelength (nm)                                       | 660±1                                          |
| Operating mode                                        | CW                                             |
| Output power (mW)                                     | 1 - 20                                         |
| Power stability (rms, over 4 hours)                   | <5%, <3%                                       |
| Transverse mode                                       | TEM <sub>00</sub>                              |
| Longitudinal mode                                     | Single                                         |
| Spectral linewidth (nm)                               | <0.00001                                       |
| Coherent length (m)                                   | >50                                            |
| 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) | <2.0                                           |
| Beam divergence, full angle (mrad)                    | <1.2                                           |
| Polarization ratio                                    | >100:1 Horizontal±5 degree (Vertical Optional) |
| Warm-up time (minutes)                                | <5                                             |
| Pointing stability after warm-up (mrad)               | <0.05                                          |
| Beam height from base plate (mm)                      | 27.4                                           |
| Laser head consumption (W)                            | 15 (typical), <25 (40°C)                       |
| Operating temperature (°C)                            | 10~40                                          |
| Power supply (90-264VAC)                              | PSU-H-FDA                                      |
| Expected lifetime (hours)                             | 10000                                          |



| MSL-FN-660                                      | PSU-H-FDA                                          |
|-------------------------------------------------|----------------------------------------------------|
| <p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5kg</p> | <p>275(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p> |