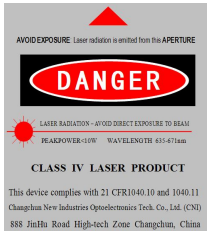
**MSL-FN-639**/1~400mW

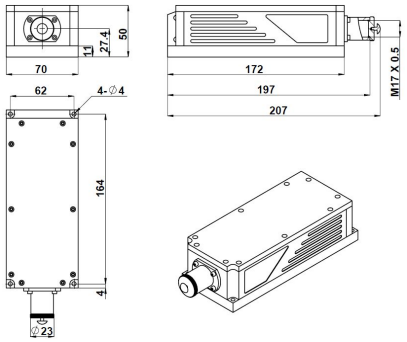
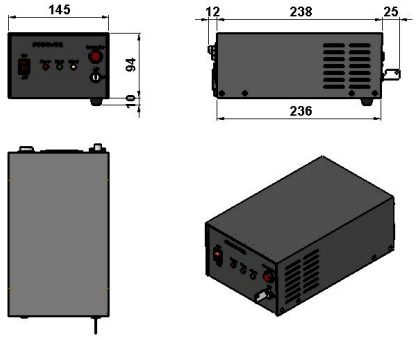
## SINGLE LONGITUDINAL MODE RED LASER AT 639 nm

All solid state single longitudinal mode red laser at 639 nm 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, physics experiment, etc.

**SPECIFICATIONS**

| | |
|---|---|
| Wavelength (nm) | 639±1 |
| Operating mode | CW |
| Output power (mW) | >1,10,20…400 |
| Power Stability (rms,over 4 hours) | <1%,<3%,5% |
| Transverse mode | $TEM_{00}$ |
| Longitudinal mode | Single |
| Spectral linewidth (nm) | <0.00001 |
| Coherent length (m) | >50 |
| Noise of amplitude (rms,1~20MHz) | <0.5%, <1% |
| $M^2$ factor | <1.2 |
| Beam diameter at the aperture( $1/e^2$ ,mm) | ~2.0 |
| Beam divergence,full angle (mrad) | <1.5 |
| Polarization ratio | > 100:1(Horizontal) (option: vertical) |
| Pointing stability after warm-up (mrad) | <0.05 |
| Pointing stability Over Temp. (μrad/°C) | <8 |
| Warm-up Time (minutes) | <10 |
| Beam height from base plate (mm) | 27.4 |
| Operating temperature(℃) | 15~35 |
| Power supply (90-264VAC) | PSU-H-FDA |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |




| MXL-FN-639 | PSU-H-FDA |
|---|---|
|  |  |
| 197(L)×70(W)×50(H) mm³, 2.0 kg | 236(L) ×145(W) ×104(H) mm³, 2.3 kg |