

MSL-FN-1313/1~500mW



**SINGLE LONGITUDINAL MODE
INFRARED LASER AT 1313nm**

All solid state single longitudinal mode infrared laser at 1313nm 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.

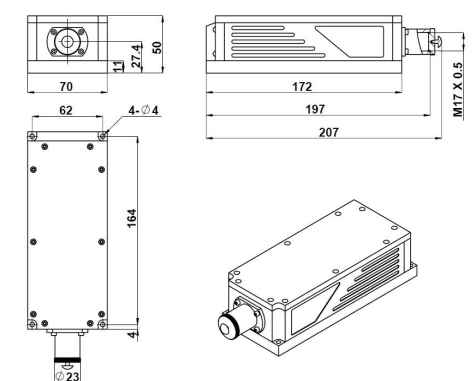
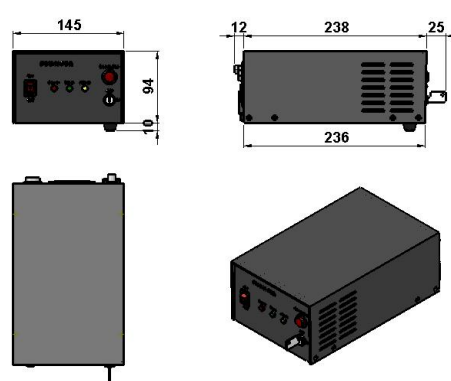


SPECIFICATIONS

| | | |
|---|--------------------------|-----------------|
| Wavelength (nm) | 1313±1 | |
| Operating mode | CW | |
| Output power (mW) | >1, 5, 10, 20, ... , 200 | >200, ... , 500 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3%, <5% | <2%, <3%, <5% |
| Transverse mode | TEM ₀₀ | |
| Longitudinal mode | Single | |
| Spectral linewidth (nm) | <0.00001 | |
| Coherent length (m) | >50 | |
| Noise of amplitude (rms, 1Hz~20MHz) | <1%, typical<0.5% | |
| M ² factor | <2.0 | |
| Beam diameter at the aperture (1/e ² , mm) | <2.0 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Warm-up time (minutes) | <10 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Beam height from base plate (mm) | 27.4 | |
| Operating temperature (°C) | 15~35 | |
| Power supply (90-264VAC) | 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.

| MSL-FN-1313 | PSU-H-FDA |
|---|---|
|  <p>197(L)×70(W)×50(H) mm³, 1.5 kg</p> |  <p>275(L) ×145(W) ×104(H) mm³, 2.3 kg</p> |