

MSL-R-1064/ 1~10W

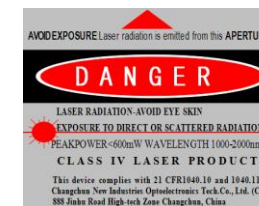
SINGLE LONGITUDINAL MODE INFRARED LASER AT 1064 nm

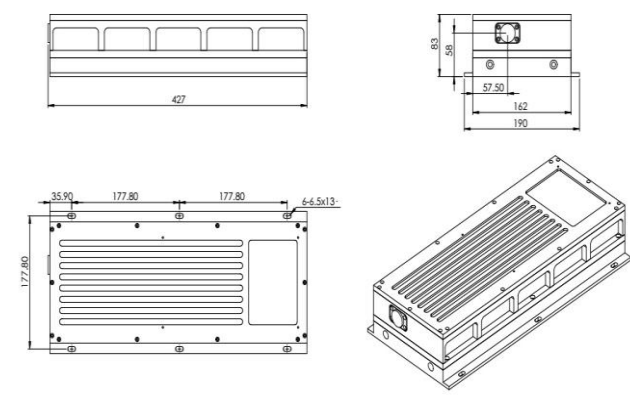
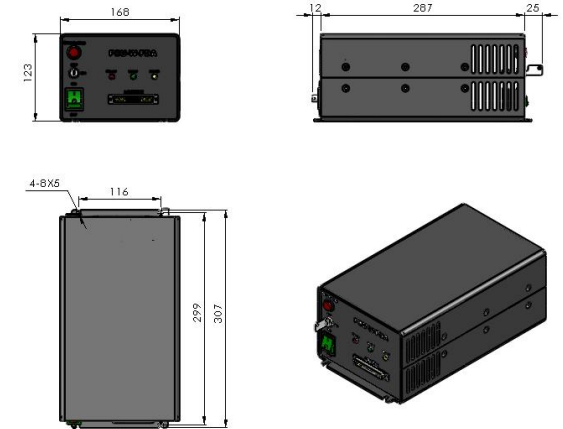

All solid state single frequency laser at 1064nm is made features of high power, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



SPECIFICATIONS

| | |
|--|-------------------|
| Wavelength (nm) | 1064±1 |
| Operating mode | CW |
| Output power (W) | >1, 2, ..., 10 |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% |
| Transverse mode | TEM ₀₀ |
| Longitudinal mode Single | Single |
| Noise of amplitude (rms, 20Hz~20MHz) | <0.5% |
| Polarization ratio | >100:1 |
| M ² factor | <1.2 |
| Beam divergence, full angle (mrad) | <1.5 |
| Beam diameter at the aperture (1/e ² ,mm) | ~1.5 |
| Pointing stability after warm-up (mrad) | <0.05 |
| Spectral linewidth (nm) | <0.00001 |
| 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-1064 | PSU-W-FDA | Water Chiller |
|--|---|--|
|  <p>427(L) × 190(W) × 83(H) mm³, 11kg</p> |  <p>307 (L) × 168(W) × 123(H) mm³, 4.5 kg</p> |  <p>280(L) × 230(W) × 380(H) mm³, 18 kg</p> |