Opto Engine LLC

MSL-R-532/700~10000mW

SINGLE LONGITUDINAL MODE GREEN LASER AT 532 nm

All solid state single frequency laser at 532nm 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

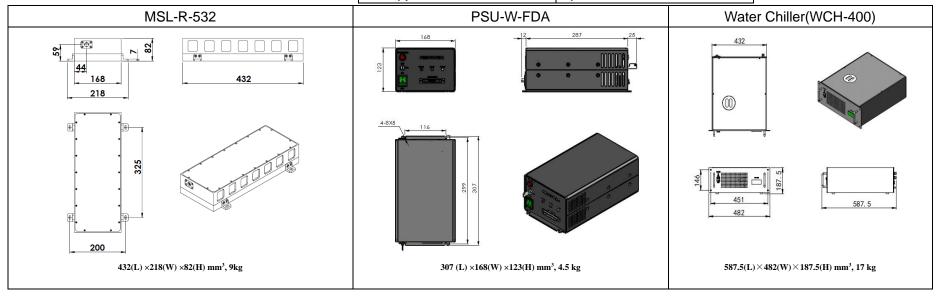
| SILCIFICATIONS | | |
|--|-------------------|---------------|
| Wavelength (nm) | 532±1 | |
| Operating mode | CW | |
| Output power (mW) | >700, 800,, 5000 | >5000,, 10000 |
| Power stability (rms, over 4 hours) | <1%,<2%,<3%,<5% | |
| Transverse mode | TEM ₀₀ | |
| Longitudinal mode Single | Single | |
| Noise of amplitude (rms, 20Hz~20MHz) | <1% | |
| 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 | |
| Spectral linewidth (nm) | < 0.00001 | |
| Pointing stability after warm-up (mrad) | < 0.05 | |
| Beam height from base plate (mm) | 59 | |
| Warm-up time (minutes) | <20 | |
| Cooled method | Water cooled | |
| Operating temperature ($^{\circ}$ C) | 20~25 | |
| Power supply (90-264VAC) | PSU-W-FDA | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



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