

Opto Engine LLC

Data sheet

Rev. 0912

MIL-N-1064/4000~5000mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1064 nm

All solid state infrared laser at 1064nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|---|---|-----------|-----------|
| Wavelength (nm) | 1064 ± 1 | | |
| Output power (mW) | >4000, 4200, 4400, ..., 5000 | | |
| Transverse mode | Near TEM ₀₀ | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | | |
| Warm-up time (minutes) | <10 | | |
| M ² factor | <3.0 | | |
| Beam divergence, full angle (mrad) | <1.5 | | |
| Beam diameter at the aperture (mm) | ~3.0 | | |
| Beam height from base plate (mm) | 68.2 | | |
| Polarization ratio | >100:1 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC) | PSU-H-LED | PSU-H-FDA | PSU-N-OEM |
| TTL modulation/ Analog modulation | Optional, 2kHz or higher (others on request, up to 30kHz) | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty period | 1 year | | |



| MxL-N-1064 | PSU-H-LED | PSU-H-FDA | PSU-N-OEM |
|--|--|--|--|
| <p>235(L) × 99(W) × 94(H) mm³, 2.6 kg</p> | <p>240 (L) × 146(W) × 108 (H) mm³, 2.6 kg</p> | <p>238 (L) × 146(W) × 102 (H) mm³, 2.3 kg</p> | <p>215 (L) × 108(W) × 122 (H) mm³, 2.145 kg</p> |
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