

MIL-H-1319/600~1500mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1319 nm

All solid state infrared laser at 1319nm 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) | 1319±1 | | |
| Output power (mW) | >600, 700, 800, ... ,1500 | | |
| Laser crystal | Nd:YAG | | |
| 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 | <2.0 | | |
| Beam divergence, full angle (mrad) | <2.0 | | |
| Beam diameter at the aperture (mm) | ~3.0 | | |
| Beam height from base plate (mm) | 29 | | |
| 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-H-OEM |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty period | 1 year | | |



| MxL-H-1319 | PSU-H-LED | PSU-H-FDA | PSU-H-OEM |
|---|--|--|---|
| <p>153(L)×77(W) ×60(H) mm³, 0.9 kg</p> | <p>268 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p> | <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p> | <p>238 (L) ×146(W) ×94 (H) mm³, 2.2 kg</p> |
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