

Opto Engine LLC

Data sheet

Rev. 0912

MRL-N-671/2000~3000mW

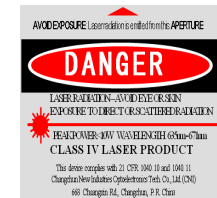
LD PUMPED ALL-SOLID-STATE RED LASER AT 671NM





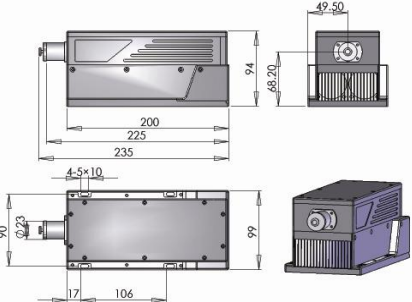
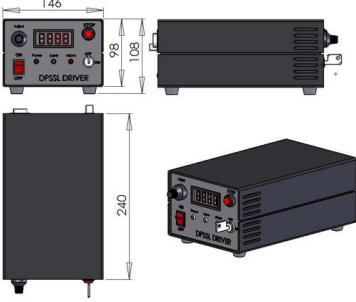
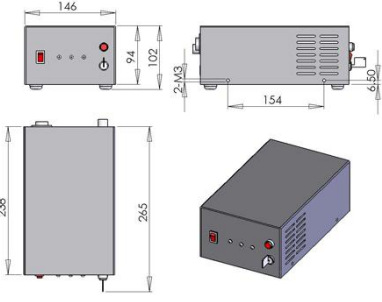
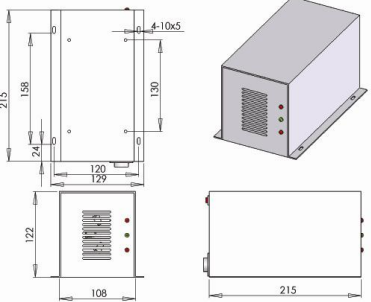
All solid state 671 nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

| | | | |
|---|---|-----------|-----------|
| Wavelength (nm) | 671 ± 1 | | |
| Output power (mW) | > 2000, 2100, 2200, ... 3000 | | |
| Transverse mode | Near TEM ₀₀ | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5%, <10% | | |
| 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 | | |



| MRL-N-671 | 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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