



MRL-FN-671/1~1000mW

SPECIFICATIONS

**LD PUMPED ALL-SOLID-STATE
RED LASER AT 671nm**



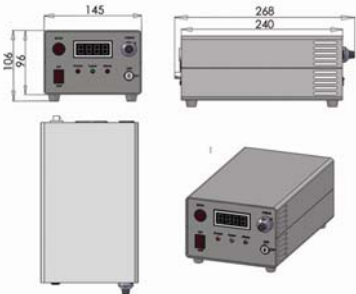
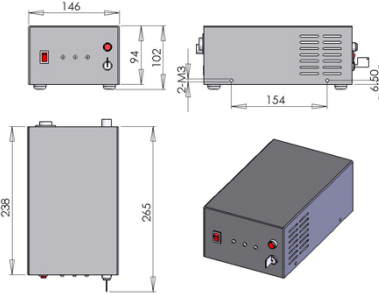
DPSS red laser at 671nm is made features of ultra compact, long lifetime, high stability and easy operating, which is widely used in measurement, spectrum analysis, and scientific research etc.



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|---|---|-----------|
| Wavelength (nm) | 671 ± 1 | |
| Output power (mW) | >1, 10, 100, ... , 1000 | |
| Transverse mode | TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.2 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Beam diameter at the aperture (mm) | ~2.0 | |
| Beam height from base plate (mm) | 27.4 | |
| Polarization ratio | >100:1 (0 or 90 degree) | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC or 5VDC) | PSU-H-LED | PSU-H-FDA |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



Note: The laser head needs to be used on a heat sink with good heat dissipation.

| MXL-FN-671 | PSU-H-LED | PSU-H-FDA |
|---|---|---|
|  <p>197(L)×70(W) ×50(H), 2.0 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> |
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