



MRL-FN-656.5/1~200mW

**LD PUMPED ALL-SOLID-STATE
RED LASER AT 656.5nm**

DPSS red laser at 656.5nm 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.



SPECIFICATIONS

| | | |
|---|---|-----------|
| Wavelength (nm) | 656.5 ± 1 | |
| Operating mode | CW | |
| Output power (mW) | >1, 10, 100, ... , 200 | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Transverse mode | TEM ₀₀ | |
| M ² factor | <1.2 | |
| Beam diameter at the aperture (1/e ² , mm) | ~2.0 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Polarization ratio | >100:1 Horizontal±5 degree (Vertical Optional) | |
| Warm-up time (minutes) | <10 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Beam height from base plate (mm) | 27.4 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC) | 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-656.5 | PSU-H-LED | PSU-H-FDA |
|--|--|--|
| <p>197(L)×70(W)×50(H) mm³, 2.0 kg</p> | <p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p> | <p>236(L) ×145(W) ×104(H) mm³, 2.3 kg</p> |