

MPL-W-355/25~80μJ/400~2000mW



LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 355nm UV laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



SPECIFICATIONS

| | | |
|---|----------|---|
| Wavelength (nm) | | 355 ± 1 |
| Operating mode | | Passively Q-switched |
| Average power (mW) | | 400~2000 |
| Single pulse energy (μJ) | | 25~80 |
| Pulse duration (ns) | | ~5 |
| Peak power (kW) | | 5~16 |
| Rep. rate (kHz) | FIXED | Setting up one fixed rep. rate interval between 1kHz-4kHz with stable pulse energy, pulse duration and pulse period. |
| | EXT TRIG | 1kHz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period. |
| | QCW | QCW state with one rep. rate between 15k-25kHz. |
| Power stability | | <3%, <5% |
| Transverse mode | | Near TEM ₀₀ |
| Beam divergence, full angle (mrad) | | <2.0 |
| Beam diameter at the aperture (1/e ² , mm) | | ~2.0 |
| Warm-up time (minutes) | | <10 |
| Beam height from base plate (mm) | | 93.5 |
| Operating temperature (°C) | | 10~35 |
| Power supply (90-264VAC) | | PSU-W-LED PSU-W-FDA |
| Expected lifetime (hours) | | 8000 |
| Warranty period | | 1 year |
| Remarks | | Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1064/532nm laser. |



| MxL-W-355 | PSU-W-LED | PSU-W-FDA |
|---|---|---|
| <p>421 (L) × 140 (W) × 124.3 (H) mm³, 6.0 kg</p> | <p>336 (L) × 168 (W) × 133 (H) mm³, 4.6 kg</p> | <p>307 (L) × 168 (W) × 123 (H) mm³, 4.5 kg</p> |