



MPL-W-266/5~30μJ/50~600mW



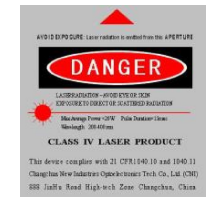
LD PUMPED ALL-SOLID-STATE  
UV LASER

All solid state 266nm 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)                                      | 266±1   |  |
| Operating mode                                       | Passively Q-switched  |  |
| Average power (mW)                                   | 50~600  |  |
| Single pulse energy (μJ)                             | 5~30  |  |
| Pulse duration (ns)                                  | ~5  |  |
| Peak power (W)                                       | ~500  |  |
| Rep. rate (kHz)                                      | FIXED   | Setting up one fixed rep. rate internal 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 10kHz-20kHz.  |
| Ave power stability (over 4 hours)                   | <5%, <10%   |  |
| Transverse mode                                      | Near TEM <sub>00</sub>  |  |
| Beam divergence, full angle (mrad)                   | <2.0  |  |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~4.0  |  |
| 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-266  | PSU-W-LED   | PSU-W-FDA   |
|--|---|---|
| <p>421(L)×140(W)×124.3(H) mm<sup>3</sup>, 6.0 kg</p> | <p>336 (L) ×168(W) ×133(H) mm<sup>3</sup>, 4.6 kg</p> | <p>307 (L) ×168(W) ×123(H) mm<sup>3</sup>, 4.5 kg</p> |