



MPL-Q-266/0.1~3uJ/1~30mW

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 266 nm UV laser is made features of ultra compact, long lifetime, cost -effectiveness 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 | Frequency conversion of Q-switched pulsed laser | |
| Max average power (mW) | 1~30 | |
| Single pulse energy (μJ) | 0.1~3 | |
| Pulse duration (ns) | ~4 | ~1.3 |
| Peak power(W) | 25~750 | 75~2300 |
| Rep. rate (kHz) | FIXED | Specified One rep. rate, such as 3kHz, 4kHz, 5kHz with stable laser pulses emitting (stable pulse energy, peak, duration and period). |
| | EXT TRIG | Different rep. rate in the range of 3kHz-5kHz can be obtained by input an external TTL signal. |
| | QCW | QCW state with one rep. rate between9kHz-12kHz. |
| Average power (mW) | Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz) | |
| Ave power stability (over 4 hours) | <5%, <10% | |
| Transverse mode | Near TEM ₀₀ , Elliptical | |
| Beam diameter at the aperture(mm) | <1.2mm | |
| Warm-up time (minutes) | <10 | |
| Beam height from base plate (mm) | 35 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC) | PSU-H-LED/PSU-H-FDA | |
| Expected lifetime (hours) | 5000 | |
| 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. | |



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

| MPL-Q-266 | PSU-H-LED | PSU-H-FDA |
|--|--|--|
| 226(L)×70(W)×55(H) mm ³ , 1.3kg | 307(L)×150(W)×106 (H) mm ³ , 2.9 kg | 307(L)×150(W)×106 (H) mm ³ , 2.9 kg |