

LD PUMPED ALL-SOLID-STATE UV LASER OEMPL-F-261

All solid state 261nm UV laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.

OEMPL-F-261



245.5(L)×88(W) ×74(H) mm3, 2.0 kg

PSU-H-FDA



238 (L)×146(W)×102 (H) mm3, 2.3 kg

SPECIFICATIONS

| | | |
|------------------------------------|----------------|--|
| Wavelength (nm) | | 261±1 |
| Output average power (mW) | | 1~10 |
| Transverse mode | | Near TEM ₀₀ |
| Operating mode | | Frequency conversion of Q-switched pulsed laser |
| Single pulse energy (μJ) | | 0.1~4 |
| Pulse duration (ns) | | ~4 |
| Peak power(kW) | | ~1 |
| Rep.rate (kHz) | Controllable | Specified One rep. rate, such as 0.1Hz, 100 Hz, 500 Hz up to 1kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 0.1Hz to 1kHz can be obtained by input an external TTL signal. |
| | Uncontrollable | Undefined rep. rate among 2kHz-3kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses. |
| Average power (mW) | | Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz) |
| Ave power stability (over 4 hours) | | <5%, <10% |
| Warm-up time (minutes) | | <10 |
| M ² factor | | <1.5 |
| Spectral purity | | >99% |
| Beam parameters | | Elliptical (4:1), Beam spot ~2mm |
| Polarization ratio | | >50:1 |
| Beam height from base plate (mm) | | 45 |
| Operating temperature (°C) | | 10~35 |
| Power supply (90-264VAC) | | 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 1047/523nm laser. |