

MPL-F-266/0.1~5uJ/1~50mW

LD PUMPED ALL-SOLID-STATE UV LASER


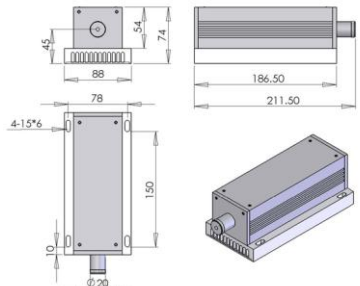

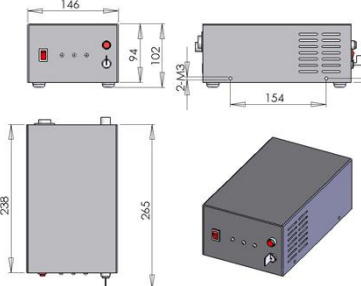
All solid state 266nm UV laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



SPECIFICATIONS

| | | |
|------------------------------------|----------------|--|
| Wavelength (nm) | | 266±1 |
| Output average power (mW) | | 1~50 |
| Transverse mode | | Near TEM ₀₀ |
| Operating mode | | Frequency conversion of Q-switched pulsed laser |
| Single pulse energy (μJ) | | 0.1~5 |
| Pulse duration (ns) | | ~7 |
| Rep. rate (kHz) | Controllable | Fixed rep. rate, such as 1k, 2k, 3k, 4k, 5kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 1kHz-5kHz can be obtained by input an external TTL signal. |
| | Uncontrollable | Undefined rep. rate among 5k-7kHz 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 |
| Beam parameters | | Elliptical (4:1), Beam spot ~2mm |
| Polarization ratio | | >100:1 |
| Beam height from base plate (mm) | | 45 |
| Operating temperature (°C) | | 10~35 |
| Power supply (90-264VAC) | | PSU-H-FDA |
| Expected lifetime (hours) | | 10000 |
| 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. |



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|---|--|---|---|
| <p>MxL-F-266</p>  <p>211.5(L)×88(W)×74(H) mm³, 1.6 kg</p> | <p>Dimensions</p>  | <p>PSU-H-FDA</p>  <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p> | <p>Dimensions</p>  |
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