



MPL-N-355/0.1~90uJ/1~800mW

SPECIFICATIONS



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.



Central wavelength (nm)		355±1
Output average power (mW)		1~150 150~800
Transverse mode		Near TEM ₀₀
Operating mode		Frequency conversion of Q-switched pulsed laser
Single pulse energy (μJ)		0.1~15 ~90
Pulse duration (ns)		~1.3 ~7
Peak power (W)		80~11500 ~13000
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 10k-15kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
	Controllable	Fixed rep. rate, such as 3k, 4k, 5kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period).
		Different rep. rate in the range of 3kHz-5kHz can be obtained by input an external TTL signal.
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
Beam height from base plate (mm)		70
Operating temperature (°C)		10~35
Power supply (90-264VAC)		PSU-N-LED PSU-N-FDA
Cooling system		Air
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.



MPL-N-355	PSU-N-LED	PSU-N-FDA
<p>321(L)×99(W)×94(H) mm³, 3.215 kg</p>	<p>307(L) × 150(W) × 106 (H) mm³, 2.9 kg</p>	<p>307(L) × 150(W) × 106 (H) mm³, 2.9 kg</p>