



MPL-Q-355/0.1~15uJ/1~150mW

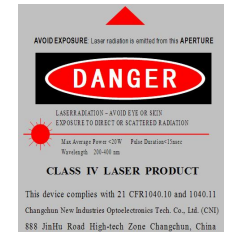
LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 355 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)	355±1	
Operating mode	Frequency conversion of Q-switched pulsed laser	
Max average power (mW)	1~150	
Single pulse energy (μJ)	0.1~15	
Pulse duration (ns)	~4	~1.3
Peak power(W)	25~3750	75~11000
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 between 9kHz-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-355	PSU-H-LED	PSU-H-FDA
<p>226(L)×70(W)×55(H) mm³, 1.3kg</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>