

Opto Engine LLC

Data sheet

Rev. 0912

MPL-N-355/30~50uJ/150~350mW

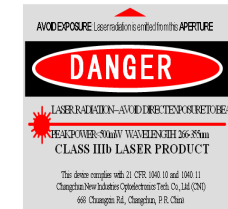
LD PUMPED ALL-SOLID-STATE UV LASER





All solid state 355nm 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)	355 ± 1		
Output average power (mW)	150~350		
Transverse mode	Near TEM ₀₀		
Operating mode	Frequency conversion of Q-switched pulsed laser		
Single pulse energy (μJ)	30~50		
Pulse duration (ns)	~7		
Peak power (W)	~7000		
Rep. rate (kHz)	Undefined rep. rate among 5k-15kHz 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%		
Pointing stability after warm-up (mrad)	<0.05		
Warm-up time (minutes)	<15		
Beam height from base plate (mm)	68.2		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
Cooling system	Cooled by TEC and air, no water needed.		
Expected lifetime (hours)	8000		
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-H-LED	PSU-H-FDA	PSU-N-OEM
 <p>235(L)×99(W)×94(H) mm³, 2.6 kg</p>	 <p>240 (L) ×146(W) ×108 (H) mm³, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>	 <p>215 (L) ×108(W) ×122 (H) mm³, 2.145 kg</p>
