

MPL-N-266/0.1~10uJ/1~100mW

SPECIFICATIONS

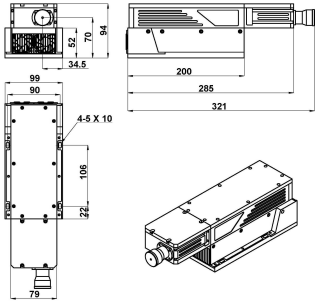
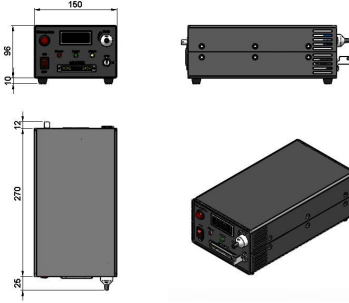
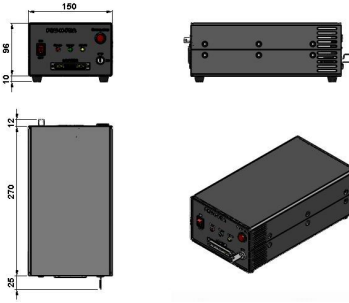
LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 266 nm 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.



Wavelength (nm)		266±1	
Output average power (mW)		1~30	30~100
Transverse mode		Near TEM ₀₀ , elliptical	
Operating mode		Pulsed, Cr : YAG passively Q-switched	
Single pulse energy (μJ)		0.1~3	3~10
Pulse duration (ns)		~1.3	~7
Peak power (W)		~1500	~2800
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.	Undefined rep. rate among 6k-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%	
Beam parameters		Elliptical (4:1), Beam spot 0.5*2mm	
Warm-up time (minutes)		<10	
Beam height from base plate (mm)		68.2	
Operating temperature (°C)		10~35	
Power supply (90-264VAC)		PSU-N-LED PSU-N-FDA	
Cooling system		Air	
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-266	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, 2.6 kg</p>	 <p>307(L) ×150(W) ×106 (H) mm³, 2.6 kg</p>