

MPL-N-257/0.1~4uJ/1~15mW

SPECIFICATIONS

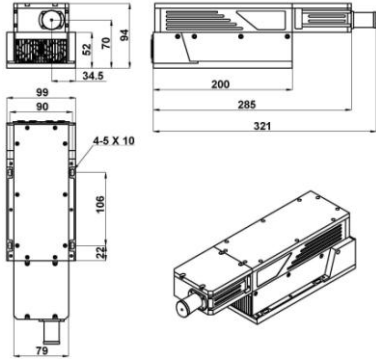
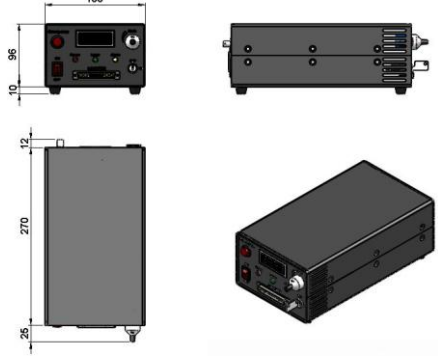
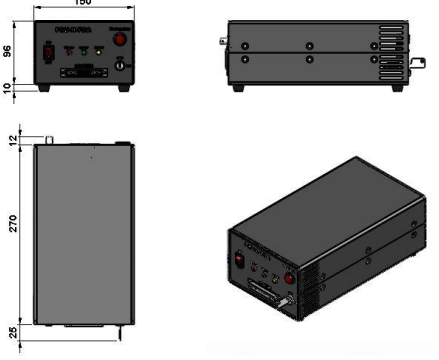


LD PUMPED ALL-SOLID-STATE  
UV LASER

All solid state 257 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.

Central wavelength (nm)	257±1	
Output average power (mW)	1~15	
Transverse mode	Near TEM <sub>00</sub> , elliptical	
Operating mode	Frequency conversion of Q-switched pulsed laser	
Single pulse energy (μJ)	0.1~4	
Pulse duration (ns)	~10	
Peak power (W)	~400	
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 3kHz-5kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	3kHz-5kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between 10kHz-15kHz.
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)	<10%	
Beam parameters	Elliptical (4:1), Beam spot 0.5*2mm	
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-257	PSU-N-LED	PSU-N-FDA
 <p>321(L) x 99(W) x 94(H) mm<sup>3</sup>, 3.215 kg</p>	 <p>307(L) x 150(W) x 106(H) mm<sup>3</sup>, 2.9 kg</p>	 <p>307(L) x 150(W) x 106(H) mm<sup>3</sup>, 2.9 kg</p>