

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




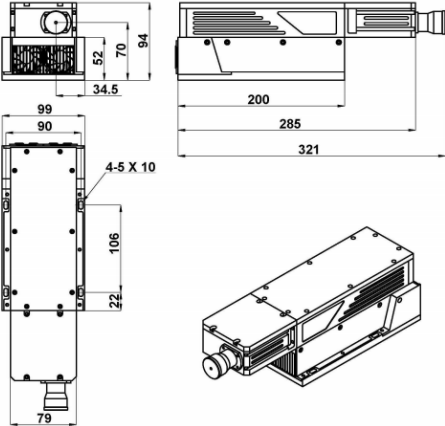
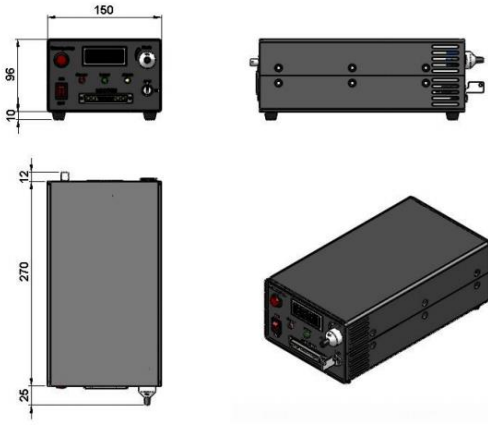
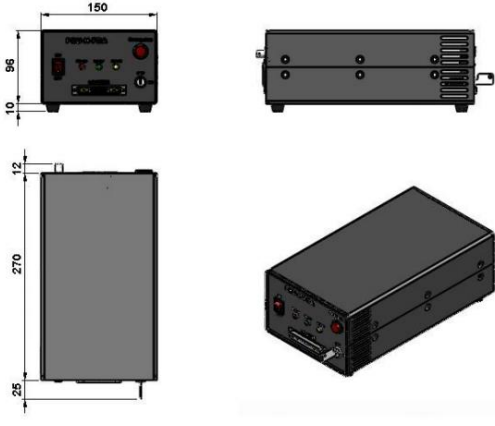
DATA SHEET

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 266nm 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 ± 1nm
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 ~10
Pulse duration (ns)		~1.3 ~6
Peak power (W)		80~2,300 ~1,700
Rep. rate (kHz)	FIXED	Undefined rep. rate among 10k-15kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
	EXT TRIG	1kHz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between 5k-7kHz.
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)		70
Operating temperature (°C)		10~35
Power supply		PSU-N-LED (Power adjustable) PSU-N-FDA
Cooling system		Air
Expected lifetime (hours)		5,000
Warranty period		1 year
Remarks		Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not as good as that of 1064/532nm laser.



MxL-N-266	Dimensions	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) ×105(W) ×106 (H) mm³, 2.6 kg</p>