

Opto Engine LLC

Data sheet

Rev. 1609

MPL-N-266/0.1~10uJ/1~120mW



LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 266 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

Central wavelength (nm)		266±1
Output average power (mW)		1~30 30~120
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)		80~2300 ~1700
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.
	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)		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-266	PSU-N-LED	PSU-N-FDA
<p>321(L) x 99(W) x 94(H) mm³, 3.215 kg</p>	<p>307(L) x 150(W) x 106(H) mm³, 2.9 kg</p>	<p>307(L) x 150(W) x 106(H) mm³, 2.9 kg</p>