

# Opto Engine LLC

## Data sheet

Rev. 0912

MPL-N-266/5~10uJ/50~100mW





### 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 ± 1		
Output average power (mW)	50~100		
Transverse mode	Near TEM <sub>00</sub> , elliptical		
Operating mode	Pulsed, Cr : YAG passively Q-switched		
Single pulse energy (μJ)	5~10		
Pulse duration (ns)	~7		
Peak power (W)	2800		
Rep. rate (kHz)	Undefined rep. rate among 6k-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)	<10		
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
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-H-LED	PSU-H-FDA	PSU-N-OEM
 235(L) × 99(W) × 94(H) mm <sup>3</sup> , 2.6 kg	 240 (L) × 146(W) × 108 (H) mm <sup>3</sup> , 2.6 kg	 238 (L) × 146(W) × 102 (H) mm <sup>3</sup> , 2.3 kg	 215 (L) × 108(W) × 122 (H) mm <sup>3</sup> , 2.145 kg
