

# Opto Engine LLC

## Data sheet

Rev. 0912

MPL-W-266/5~10uJ/50~200mW

### SPECIFICATIONS

### 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)	50~200
Transverse mode	Near TEM <sub>00</sub>
Operating mode	Frequency conversion of Q-switched pulsed laser
Single pulse energy (μJ)	5~10
Pulse duration (ns)	~10
Peak power (kW)	~450
Rep. rate (kHz)	Undefined rep. rate among 5k-20kHz 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%
Beam parameters	Elliptical (4:1), Beam spot ~2mm
Polarization ratio	>100:1
Pointing stability after warm-up (mrad)	<0.05
Warm-up time (minutes)	<15
Beam height from base plate (mm)	93.5
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-FDA
Cooling system	Cooled by TEC and air, no water needed.
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.



MxL-W -266	Dimensions	PSU-W-FDA	Dimensions
<p>333(L)×140(W)×125(H) mm<sup>3</sup>, 6.1 kg</p>		<p>307 (L) ×168(W) ×123(H) mm<sup>3</sup>, 5.1 kg</p>	