

266 nm LD Pumped All-solid-state Passively Q-switched Pulse UV Laser MPL-W-266

Model #: MPL-W-266

Description: LD pumped all-solid-state passively Q-switched 266nm UV laser, pulse width as short as typically 5ns, 5 ~ 30 μ J pulse energy, 50 ~ 600 mW average power.

Features: Single pulse energy up to 30 μ J, lightweight and compact, long lifetime and high reliability

Application: UV curing, micro-electronics, CD carving, laser medical treatment, lab applications etc.



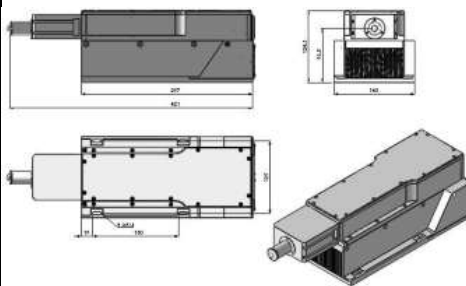
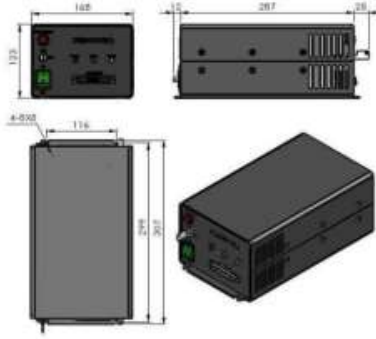
Specifications

Wavelength (nm)		266 \pm 1
Operating Mode		Passively Q-switched pulsed laser
Average Output Power (mW)		50 ~ 600
Single Pulse Energy (μ J)		5 ~ 30
Peak Power (kW)		1 ~ 6
Pulse Duration (ns)		~ 5
Transverse Mode		Near TEM ₀₀
Repetition Rates (KHz)	Fixed	Specified one rep. (such as 1kHz ~ 4kHz with stable pulse energy, duration and period).
	External Trigger	1kHz-4kHz variable by external trigger with stable pulse energy, duration and period
	QCW	QCW state with fixed one rate between 10kHz – 20 kHz
Average Power (mW)		Pulse energy (μ J) x rep. rate (kHz)
Average power stability (over 4 hrs.)		<10%, <5%
Warm-up Time (minutes)		<10
Beam Divergence, full angle (mrad)		<2.0
Beam Diameter at the Aperture (1/e ² , mm)		~ 2.0
Beam Height from Base Plate (mm)		93.5
Operating Temperature (°C)		10 ~ 35
Power Supply (90-264VAC)		PSU-W-LED, or PSU-W-FDA
Expected Life Time (hrs.)		8000
Warranty Period		1 year

*Because of the walk-off effect of nonlinear crystals, the beam quality at 266nm is not as good as that at 1064 or 532 nm.

Ordering Information: MPL-W-266-AAA-B-C-D

AA: average power	B: rep. rate	C: power stability	D: power supply
100 – 100mW/5 μ J	1 - Fixed one rep. rate	5 – 5%	1 - PSU-W-FDA
200 – 200mW/10 μ J	2 - External trigger	3 – 3%	2 - PSU-W-LED
400 – 400mW/20 μ J	3 – WCW		
600 – 600mW/30 μ J			

<p>MPL-W-266</p>	<p>PSU-W-LED</p>
 <p>421 (L)×140(W) ×124.3(H) mm³, 6.0 kg</p>	 <p>336 (L) ×168 (W) ×133 (H) mm³, 4.6 kg</p>
<p>MPL-W-266 (drawing)</p>	<p>PSU-W-FDA</p>
 <p>421 (L) ×140 (W) ×124.3 (H) mm³, 6.0 kg</p>	 <p>307 (L) ×168 (W) ×123 (H) mm³, 4.5 kg</p>

