

LD Pumped All-solid-state 261 nm UV Laser MPL-F-261

Model #: MPL-F-261

Description: LD pumped all solid state 261 nm UV laser features ultra-compact, long lifetime, cost-effective, and easy operating.



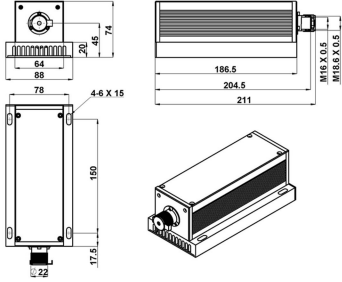
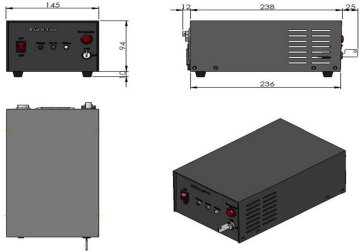
Application: UV curing, micro-electronics, CD carving, laser medical treatment, lab applications etc.

Specifications

Wavelength (nm)		261 ± 1
Output Power (mW)		>1 ~ 10
Transverse Mode		Near TEM ₀₀
Operating Mode		Frequency conversion of Q- switched pulsed laser
Pulse Energy (μJ)		0.1 ~ 4
Pulse Duration (ns)		~4
Peak Power (W)		25 ~ 1,000
Repetition Rates (KHz)	Controllable	Specified One rep. rate, such as 0.1Hz, 100 Hz, 500 Hz up to 1kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 0.1Hz to 1kHz can be obtained by input an external TTL signal.
	Free Run	Undefined rep. rate among 2KHz ~ 3KHz and unstable laser pulse emitting. Suitable for the applications that only need high peak power pulses.
Average Power (mW)		Pulse energy x rep. rate
Average power stability (over 4 hrs.)		<5%, <10%
Warm-up Time (minutes)		<10
M ² Factor		< 1.5
Spectral Purity		> 99%
Beam Parameters		Elliptical 4:1; beam diameter ~ 2mm
Polarization Extinction Ratio		>50:1
Beam Height from Base Plate (mm)		45
Power Supply (90-264VAC)		PSL-H-FDA
Expected Life Time (hrs.)		5000
Warranty Period		1 year

Ordering Information: MPL-F-261-A-B

A:average power	A: rep. Rate	B:power stability
3 – 1 ~ 3 mW	1 - Fixed one rep. rate	10 – 10%
5 – 5 mW	2 - Variable 0.1 ~ 1000Hz	5 – 5%
10 – 10 mW	3 - Free run	

<p>MPL-F-261 (with 261/523/1047nm laser included)</p>	<p>PSU-H-FDA</p>
 <p>211 (L)×88(W) ×74(H) mm3, 1.6 kg</p>	 <p>15 3 (L) ×1 55(W) ×92 (H) mm³, 1.5kg</p>
	
<p>MPL-F-261 (261 nm only)</p>	<p>UV Prism</p>
