



MPL-F-261/0.1~4uJ/1~10mW



**LD PUMPED  
ALL-SOLID-STATE  
UV LASER**

All solid state 261 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)	261±1	
Output average power (mW)	1~10	
Transverse mode	Near TEM <sub>00</sub>	
Operating mode	Frequency conversion of Q-switched pulsed laser	
Single pulse energy (μJ)	0.1~4	
Pulse duration (ns)	~4	
Peak power(W)	25~1000	
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal at 1kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	1kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between 2kHz-3kHz.
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)	<5%, <10%	
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.5	
Spectral purity	>99%	
Beam parameters	Elliptical (4:1), Beam spot ~2mm	
Polarization ratio	>50:1	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA	
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 1047/523nm laser.	



MPL-F-261 (with 261/523/1047 nm laser included)	MPL-F-261 (With 261 nm laser emitting only)	PSU-H-FDA	UV prism
<p>211 (L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p>	<p>245.5(L)×88(W)×74(H) mm<sup>3</sup>, 2.0 kg</p>	<p>238 (L)×145 (W)×104 (H) mm<sup>3</sup>, 2.3 kg</p>	<p>20mm x 20mm x 22mm</p>