

MPL-F-266-L/0.1~5uJ/1~20mW

LD PUMPED ALL-SOLID-STATE UV LASER





All solid state 266 nm 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. The nonlinear crystal can be replaced. When the power low down, the customers can replace this parts by themselves, which can prolong the lifetime of the laser. The positioning system is in the laser, so it is easy to operate.



SPECIFICATIONS

Wavelength (nm)		266±1
Output average power (mW)		1~20
Transverse mode		Near TEM ₀₀
Operating mode		Frequency conversion of Q-switched pulsed laser
Single pulse energy (μJ)		0.1~5
Pulse duration (ns)		~7
Peak power(kW)		~0.7
Rep. rate (kHz)	Controllable	Fixed rep. rate, such as 1k, 2k, 3k, 4kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 1kHz-4kHz can be obtained by input an external TTL signal.
	Uncontrollable	Undefined rep. rate among 5k-7kHz 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%
Warm-up time (minutes)		<10
M ² factor		<1, 5
Spectral purity		>99%
Beam parameters		Elliptical (4:1), Beam spot ~2mm
Polarization ratio		>100:1
Beam height from base plate (mm)		45
Operating temperature (°C)		10~35
Power supply (90-264VAC)		PSU-H-FDA
Expected lifetime (hours)		10000
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-F-266-L (with 266/532/1064 nm laser included)	MxL-F-266-L (With 266 nm laser emitting only)	PSU-H-FDA	Affix	UV prism
 211.5(L)×88(W)×74(H) mm ³ , 1.6 kg <i>New! Long Lifetime!</i>	 245.5(L)×88(W)×74(H) mm ³ , 2.0 kg <i>New! Long Lifetime!</i>	 238 (L) ×146(W) ×102 (H) mm ³ , 2.3 kg	 25 (L) ×17(W) ×15 (H) mm ³ , 0.021kg	