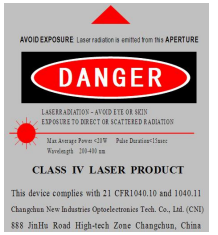
MPL-F-266/0.1~3uJ/1~10mW

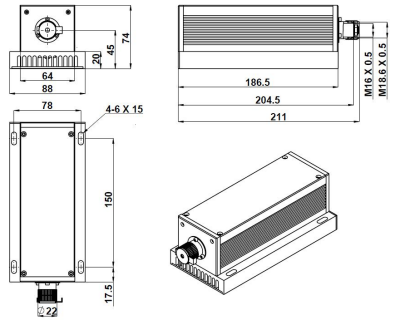
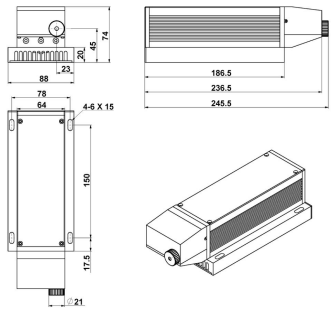
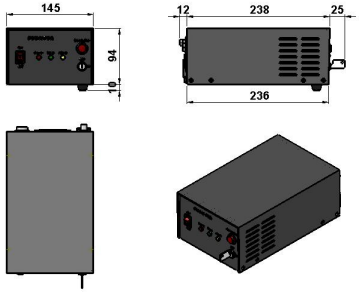
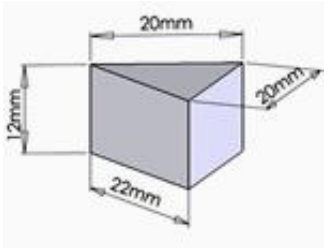
LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 266 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)		266±1
Output average power (mW)		1~10
Transverse mode		Near TEM_{00}
Operating mode		Frequency conversion of Q-switched pulsed laser
Single pulse energy (μJ)		0.1~3
Pulse duration (ns)		~5
Peak power(W)		20~600
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 1kHz-4kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	1kHz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period.
	QCW	QCW state with one rep. rate between5kHz-7kHz.
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 (℃)		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 1064/532nm laser.



MPL-F-266 (with 266/532/1064 nm laser included)	MPL-F-266 (With 266 nm laser emitting)	PSU-H-FDA	UV prism
			
211 (L)×88(W) ×74(H) mm^3, 1.6 kg	**245.5(L)×88(W) ×74(H) mm^3, 1.8 kg**	**275 (L) ×145 (W) ×104 (H) mm^3, 2.3 kg**	