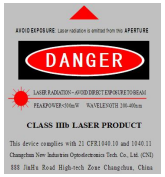
MPL-FN series

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state 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.

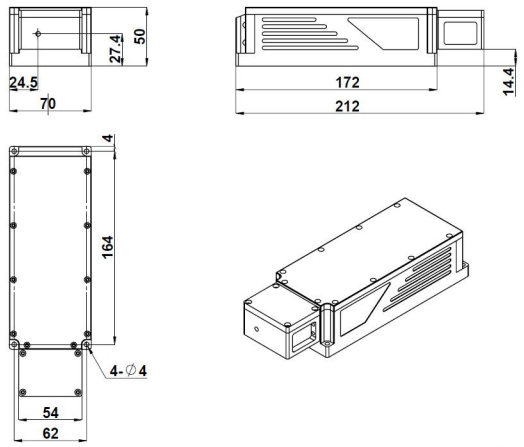
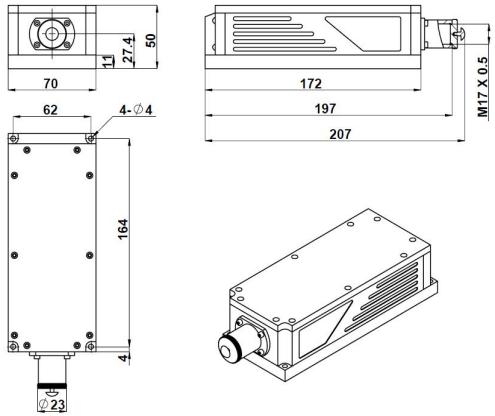


SPECIFICATIONS

Wavelength (nm)	266±1		355±1	
Operating mode	Frequency conversion of Q-switched pulsed laser			
Max average power (mW)*	1~8	1~18	1~15	1~30
Single pulse energy (μJ)	1~8	1~6	1~15	1~10
Pulse duration (ns)	~0.6	~0.8	~0.6	~800
Peak power (kW)	1.66~13.3	1.25~7.5	1.66~25	1.25~12.5
Rep. rate (kHz)(optional)	0.1, 0.2, 0.3,…,1.0	0.1, 0.2, 0.3,…,1.0, 2.0, 3.0	0.1, 0.2, 0.3,…,1.0	0.1, 0.2, 0.3,…,1.0, 2.0, 3.0
Ave power stability (over 4 hours)	<3%, <5%, <10%			
Transverse mode	Near TEM_{00}			
M^2 factor	<2			
Beam diameter at the aperture (mm)	~1.5			
Beam divergence, full angle (mrad)	<1.5			
Polarization ratio	>50:1, (Horizontal or Vertical Optional)			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	27.4			
Operating temperature (°C)	10~35			
Power supply (90-264VAC)	PSU-SR			
Expected lifetime (hours)	5000			
Warranty	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.		/	

Average power (mW)= Single pulse energy (μJ) Rep. rate(kHz)

Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD (MPL-FN-266)	LASER HEAD (MPL-FN-355)	POWER SUPPLY
		
212(L)×70(W) ×50(H) mm³, 1.6kg	197(L)×70(W)×50(H) mm³, 1.5 kg	188(L) ×145(W) ×83(H) mm³, 1.2kg