



MPL-FN series (200-300nm)



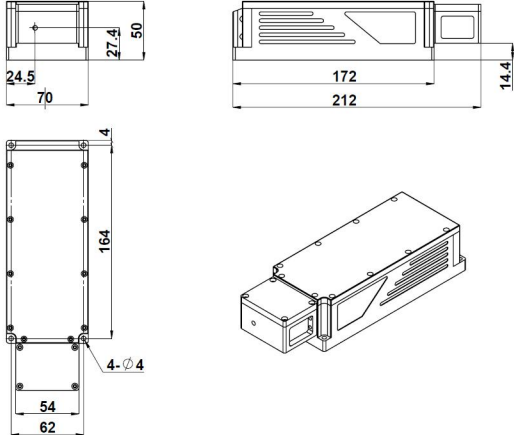
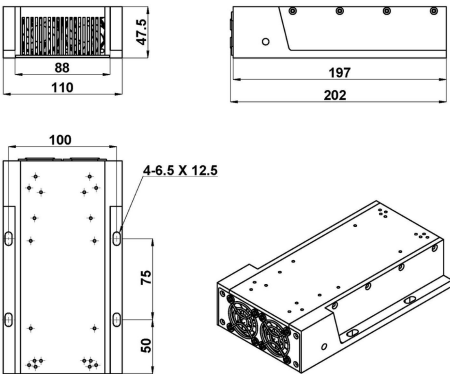
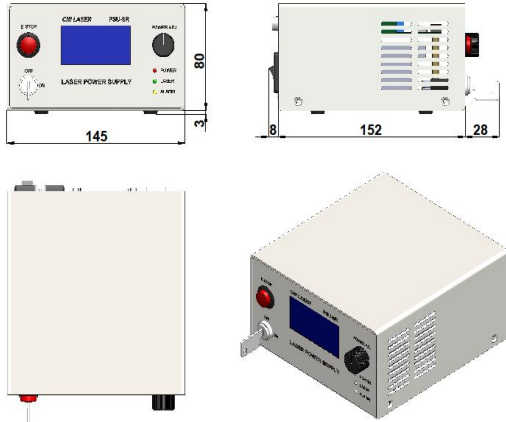
LD PUMPED ALL-SOLID-STATE LASER

All solid state laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



SPECIFICATIONS

Wavelength (nm)	236±1	266±1	
Operating mode	Passively		
Max average power (mW) ¹	1-3	1-8	1-15
Single pulse energy (μJ)	1-3	1-8	1-5
Pulse duration (ns)	~1.4	~0.6	~0.8
Peak power (kW)	0.71-2.14	1.66-13.3	1.25-6.25
Rep. rate (kHz) ²	0.01-1.0	0.01-1.0	0.01-3.0
Ave power stability (over 4 hours)	<5%, <3%	<5%, <3%, <2%	
Transverse mode	Near TEM ₀₀		
M ²	<2.0		
Beam diameter at the aperture (mm)	~1.5		
Beam divergence, full angle (mrad)	~6.0		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	27.4		
Operating temperature (°C)	10-35		
Power supply (100-240VAC)	PSU-SR		
Expected lifetime (hours)	>10000		

LASER HEAD ³	HEATSINK(OPTIONAL TC-02-FS)	POWER SUPPLY ⁴
 212(L)×70(W) ×50(H) mm³, 1.6kg	 220(L)×110(W)×47.5(H) mm³, 1.25 kg	 188(L) ×145(W) ×83(H) mm³, 1.2kg

- 1.Average power (mW)= Single pulse energy (μJ)* Rep. rate(kHz)
- 2.Trigger frequency not tunable, can be set with up to 5 fixed value in this range.
- 3.The laser head needs to be used on a heat sink with good heat dissipation.
- 4.Fixed output power.