



MPL-FN series (200-300nm)



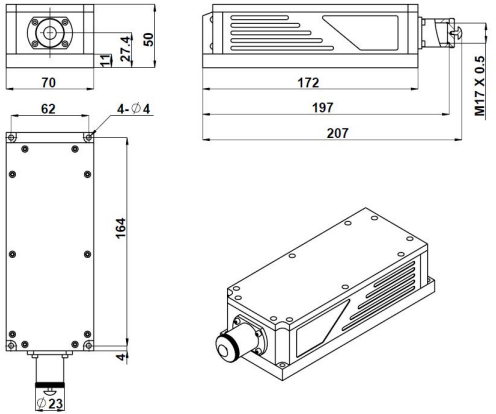
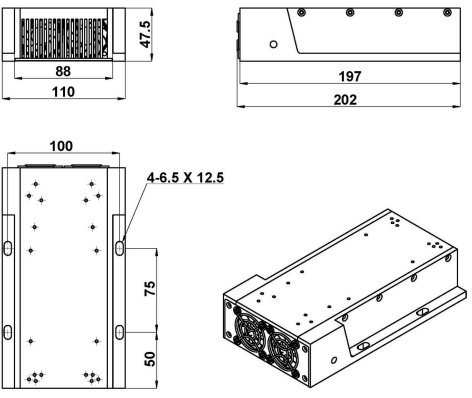
LD PUMPED ALL-SOLID-STATE PASSIVELY LASER

All solid state passively 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		
Average power (mW) ¹		1-3	1-8	1-15
Single pulse energy (μJ) ²		1-3	1-8	1-5
Pulse duration (ns)		~1.4	~0.6	~0.8
Peak power (kW)		0.7-2.0	1.7-13.3	1.3-6.3
Rep. rate (kHz)	Int ³	0.01-1	0.01-1	1-3
	Ext ⁴	0.01-1	0.01-1	1-3
Power stability (rms, 4 hours ±3°C)		<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 ⁵	HEATSINK (optional TC-02-FS)	POWER SUPPLY ⁶
 197(L)×70(W)×50(H) mm³, 1.5kg	 202(L)×110(W)×47.5(H) mm³, 1.25kg	 188(L) ×145(W) ×83(H) mm³, 1.2kg

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

2 Any energy level can be selected within this range.

3 The frequency is selectable from one or five discrete values within the range.

4 External triggered.

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

6 Fixed output energy.