



MPL-FN series (301-600nm)



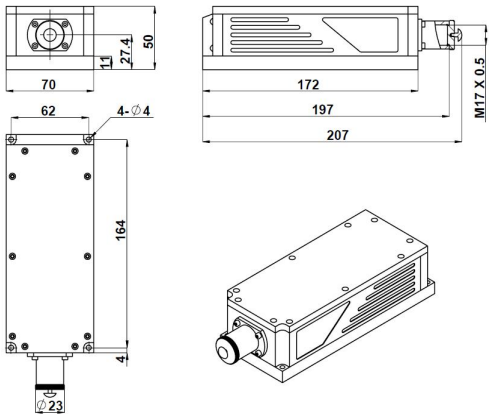
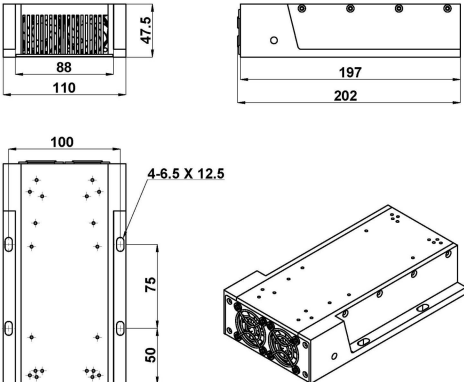
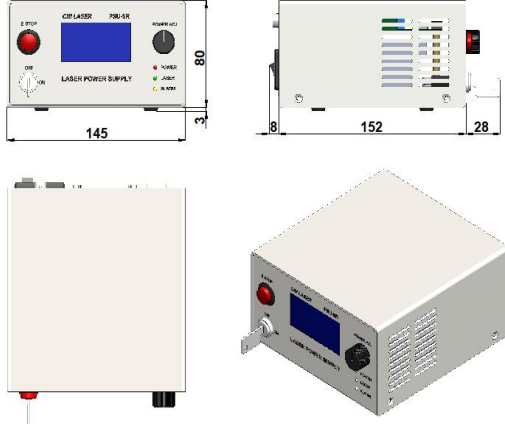
LD PUMPED ALL-SOLID-STATE PASSIVELY LASER

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)		315±1	355±1		556±1
Operating mode		Passively			
Average power (mW) ¹		1-2	1-15	1-30	1-300
Single pulse energy (μJ) ²		1-2	1-15	1-10	1-60
Pulse duration (ns)		~1.6	~0.6	~0.8	~35
Peak power (kW)		0.7-1.5	1.7-25	1.3-12.5	0.1-1.7
Rep. rate (kHz)	Int ³	0.01-1	0.01-1	1-3	/
	Ext ⁴	0.01-1	0.01-1	1-3	/
	QCW ⁵	/	/	/	4-6
Power stability (rms, 4 hours ±3°C)		<5%, <3%, <2%			
Transverse mode		TEM ₀₀			
M ²		<2.0			
Beam diameter at the aperture (mm)		~1.5			
Beam divergence, full angle (mrad)		<1.5			
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 ⁶	HEATSINK (optional TC-02-FS)	POWER SUPPLY ⁷
 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 rep.rate is a free running value within this range.

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

7 Fixed output energy.