



MPL-FN series (301-600nm)



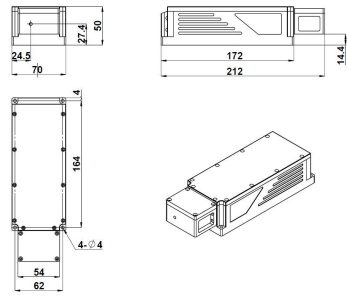
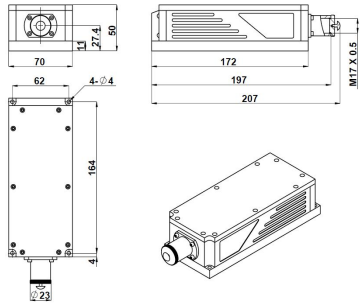
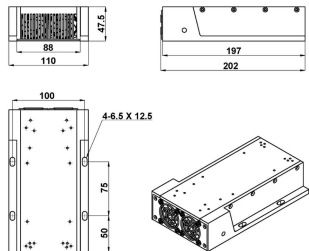
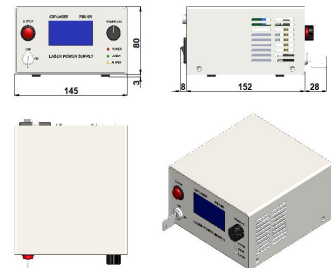
LD PUMPED ALL-SOLID-STATE PASSIVELY LASER

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
Single pulse energy (μJ) ²		1-2	1-15	1-10
Pulse duration (ns)		~1.6	~0.6	~0.8
Peak power (kW)		0.6-1.3	1.7-25	1.3-12.5
Rep. rate	Int ³	10Hz-1kHz		1-3kHz
	Ext ⁴	10Hz-1kHz		1-3kHz
	QCW ⁵	/		4-6kHz
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(MPL-FN-315) ⁵	LASER HEAD(MPL-FN-355/556) ⁶
 212(L)×70(W)×50(H) mm³, 1.6kg	 197(L)×70(W)×50(H) mm³, 1.5kg
HEATSINK (optional TC-02-FS)	POWER SUPPLY ⁷
 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.