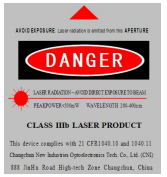
MPL-F series

LD PUMPED ALL-SOLID-STATE PASSIVELY LASER



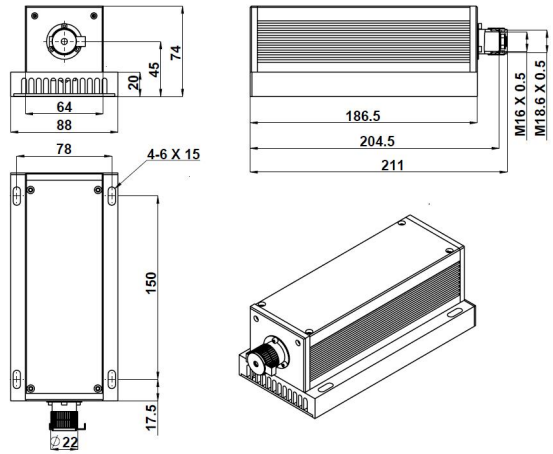
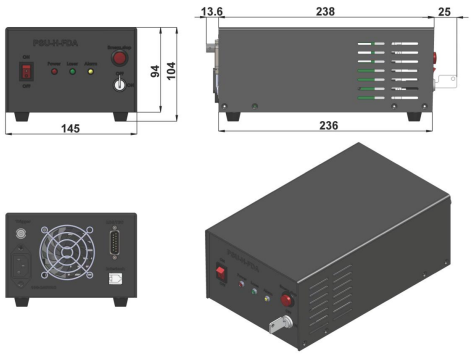
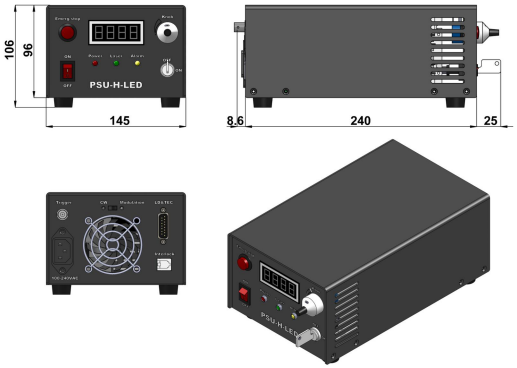


All solid state passively laser is made features of ultra compact, cost-effectiveness and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.

All solid state infrared laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in scientific experiment, laser fluorescence, etc.

SPECIFICATIONS

Wavelength (nm)		349±1	351±1	355±1	1030±2
Operating mode		Passively			
Average power (mW)[1]		1-30	1-10	1-100	1-300
Single pulse energy (μJ)[2]		0.1-10	0.1-4	0.1-15	0.1-150
Pulse duration (ns)		~4		~5	~6
Peak power (kW)		0.1-2.5	0.1-1	0.2-3	0.1-15
Rep. rate (kHz)	Int[3]	1		1-4	/
	Ext[4]	1		1-4	/
	QCW[5]	2-3		5-7	2-5
Power stability (rms, 4 hours ±3°C)		<5%, <3%, <2%			
Transverse mode		TEM_{00}			
M^2		<2			
Beam diameter at the aperture (mm)		~1.2			
Beam divergence, full angle (mrad)		<1.5			
Polarization ratio		>50:1, Horizontal (Vertical optional)		>100:1, Horizontal (Vertical optional)	
Warm-up time (minutes)		<5			
Beam height from base plate (mm)		45			
Operating temperature (℃)		10-35			
Power supply (100-240VAC)		PSU-H-FDA/PSU-H-LED			
Expected lifetime (hours)		>10000			

LASER HEAD	POWER SUPPLY (PSU-H-FDA)[6]	POWER SUPPLY (PSU-H-LED)[7]
		
211 (L)×88(W) ×74(H) mm³, 1.6kg	**276.6(L) ×145(W) ×103.6(H) mm³, 2.3kg**	**273.6 (L) ×145(W) ×106 (H) mm³, 2.3kg**

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 discrete values within the range.

4 External triggered.

5 The rep.rate is a free running value within this range.

6 Fixed output energy.

7 In QCW mode, the output power is adjustable from 10% to 100%.