



MPL-III-1064

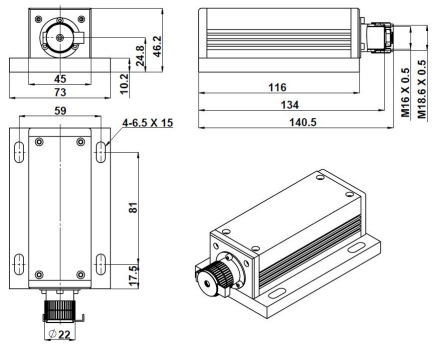
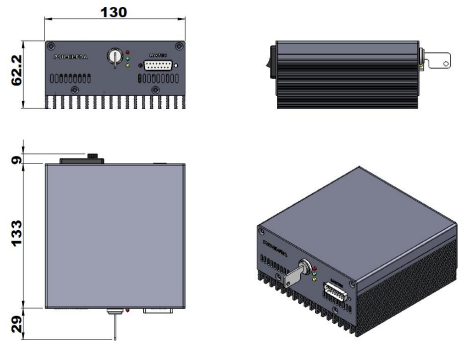
LD PUMPED ALL-SOLID-STATE PASSIVELY LASER

All solid state passively laser has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



SPECIFICATIONS

Wavelength (nm)		1064±1		
Operating mode		Passively		
Average power (mW) ¹		1-500		
Single pulse energy (μJ) ²		1-20		
Pulse duration (ns)		3-5	5-10	10-15
Peak power (kW)		0.3-4	0.2-2	0.1-1.3
Rep. rate	Int ³	1Hz-4kHz		
	Ext ⁴	1Hz-4kHz		
	QCW ⁵	5-20kHz		
Power stability (rms, 4 hours ±3°C)		<3%, <2%, <1%		
Transverse mode		TEM ₀₀		
M ²		<1.5		
Beam diameter at the aperture (mm)		~1.2		
Beam divergence, full angle (mrad)		<1.5		
Warm-up time (minutes)		<5		
Beam height from base plate (mm)		24.8		
Operating temperature (°C)		10-35		
Power supply (100-240VAC)		PSU-III-FDA		
Expected lifetime (hours)		>10000		

LASER HEAD	POWER SUPPLY ⁶
 140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg	 171 (L) × 130(W) × 62.2 (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 discrete values within the range.
- 4 External triggered.
- 5 The rep.rate is a free running value within this range.
- 6 Fixed output energy.