

EL-1064/ 2W-3W/160-200uJ



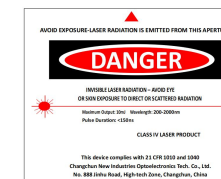
EL SERIES 1064nm LASER SOURCE FOR LASER MARKING

EL-1064nm series laser has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser marking, engraving on the diamond, metal, Steel, IC, Plastics, and also in scientific research.

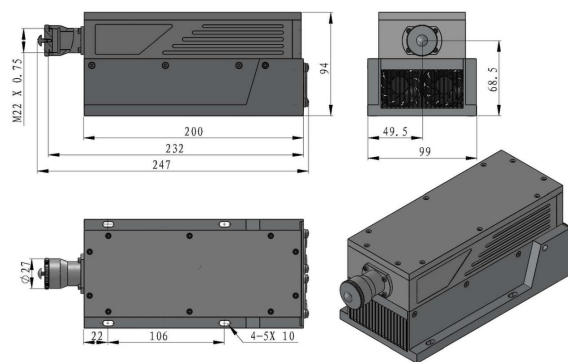


SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Passively	
Average power (mW)	>2000	>3000
Single pulse energy (μJ)	~160	~200
Rep. rate (kHz) ¹	1-15	
Pulse duration (ns) ²	3-5	
Peak power (kW)	30-50	~60
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Pilot light	<5mW@650nm	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	68.5	
Operating temperature (°C)	10-35	
Operating voltage	PSU-H-LED (100-240VAC)	PSU-OEM-W (DC 12V/25A)
Expected lifetime (hours)	>10000	

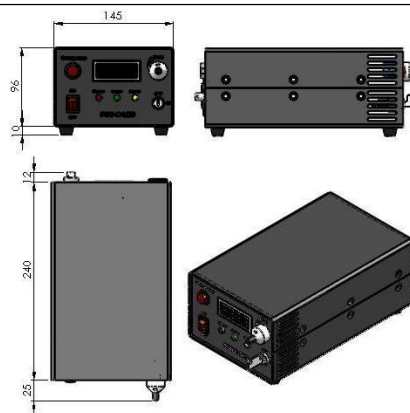


LASER HEAD



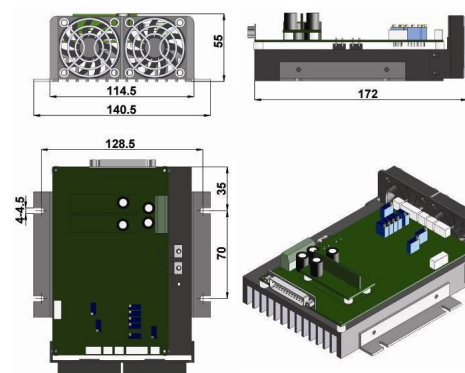
247 (L) × 99 (W) × 94 (H) mm³, 2.6 kg

POWER SUPPLY (PSU-H-LED)



277 (L) × 145 (W) × 106 (H) mm³, 2.6 kg

DRIVER (PSU-OEM-W)



172(L) × 140.5 (W) × 55 (H) mm³

1 One fixed value between 1kHz-15kHz.

2 Fixed Pulse width.