

Mini-E-PA-1064/ 4W/200uJ



**Mini-E SERIES 1064nm LASER
SOURCE FOR LASER MARKING**

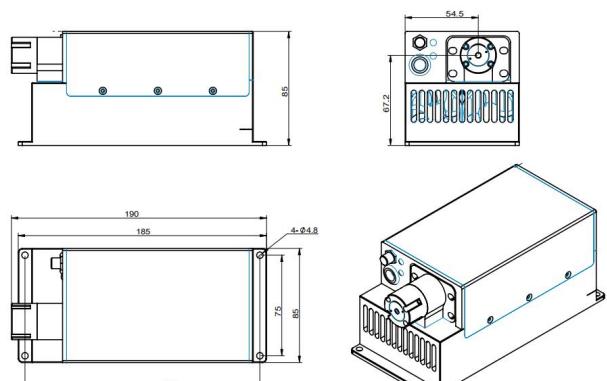
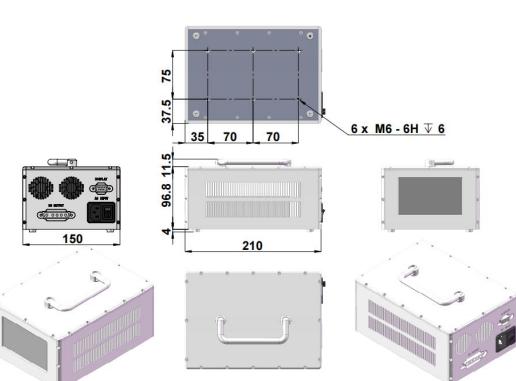
Mini-E-1064nm series laser has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Passively
Average power (W)	≥4
Single pulse energy (μJ)	>200
Rep. rate (kHz) ¹	10-20
Pulse duration (ns) ²	~5
Peak power (kW)	~40
Power stability (rms, 4 hours ± 3°C)	<2%, <1%
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e ² , mm)	~3.5
M ²	<1.2
Beam height from base plate (mm)	67.2
Warm-up time (minutes)	<15
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-12-P
Expected lifetime (hours)	>10000



LASER HEAD (Driver Integrated)	POWER SUPPLY
 <p>190 (L) × 85 (W) × 85 (H) mm³, 2.75 kg</p>	 <p>210 (L) × 150 (W) × 112.5 (H) mm³, 2.75 kg</p>

1 One fixed value between 10kHz-20kHz. 2 Fixed Pulse width.