

Mini-E-PA-355/1W/40uJ



Mini-E SERIES 355nm LASER
SOURCE FOR LASER MARKING

Mini-E-355nm 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.

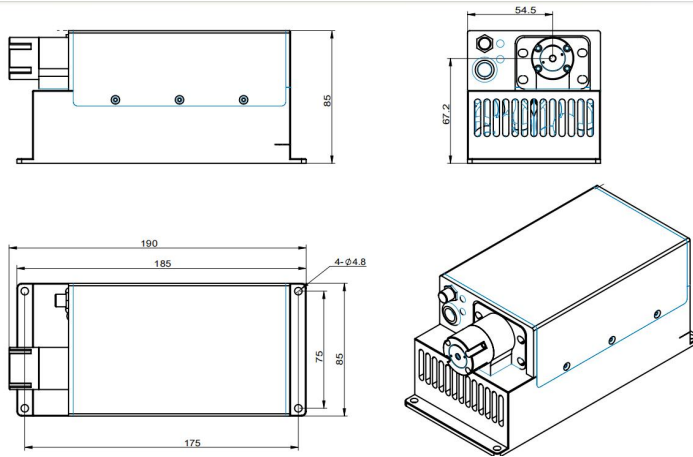


SPECIFICATIONS

Wavelength (nm)	355±1
Operating mode	Passively
Average power (W)	≥1
Single pulse energy (μJ)	>40
Rep. rate (kHz) ¹	~20
Pulse duration (ns) ²	~3
Peak power (kW)	~15
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (mm)	~3.0
M ²	<1.2
Beam height from base plate (mm)	67.2
Warm-up time (minutes)	<15
Operating temperature (°C)	10-35
Operating voltage (VDC)	12V/25A
Expected lifetime (hours)	>10000

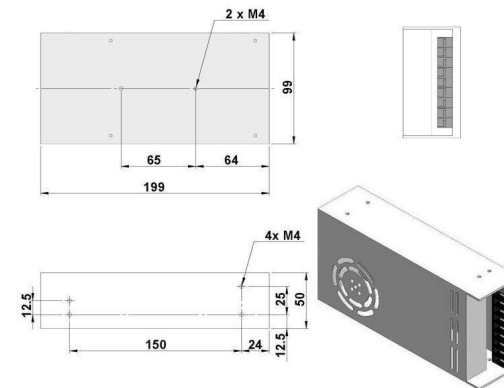


LASER HEAD (Driver Integrated)



190 (L) × 85 (W) × 85 (H) mm³, 2.75 kg

POWER SUPPLY (100-240VAC)



199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg

1 One fixed value ~20kHz. 2 Fixed Pulse width.