

FL-355/1-1000mW/1-50μJ



FL SERIES 355nm LASER SOURCE FOR LASER MARKING

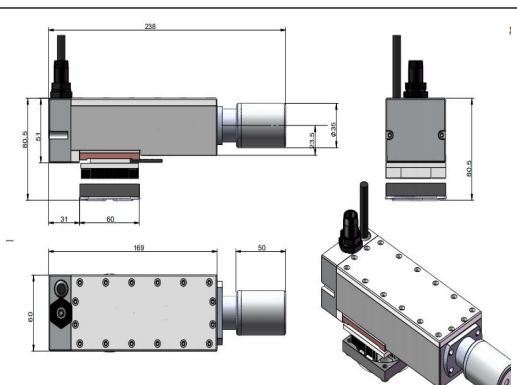
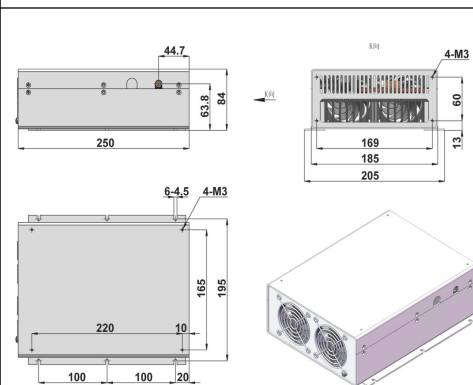
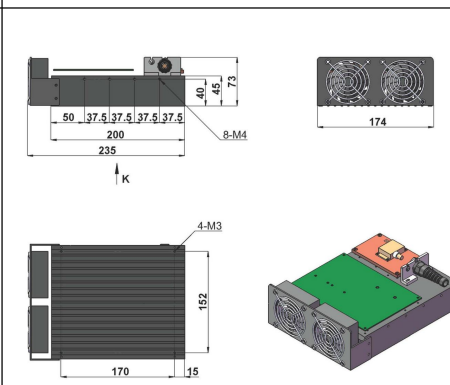
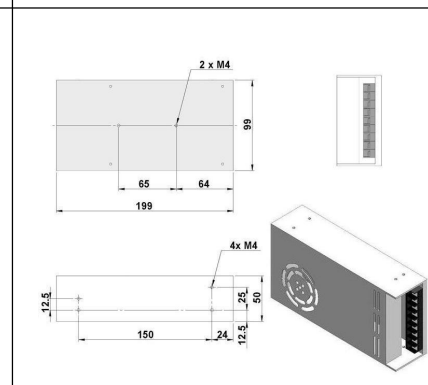
FL-355nm series laser has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

Wavelength (nm)	355±1	
Operating mode	Passively	
Average power (mW)	1-1000	
Single pulse energy (μJ)	1-50	
Rep. rate ¹	~20kHz	
Pulse duration (ns) ²	~3	
Peak power (kW)	1-15	
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
Beam divergence, full angle (mrad)	~1.0	
Beam diameter at the aperture (mm)	~6.0	
Polarization ratio	>100:1 Vertical	
Beam height from base plate (mm)	23.5	
Warm-up time (minutes)	<15	
Operating temperature (°C)	10-35	
Operating voltage (VDC)	PSU-FL-FDA (12V/25A)	PSU-FL-OEM (12V/25A)
Expected lifetime (hours)	>10000	



LASER HEAD	DRIVER (PSU-FL-FDA)	DRIVER (PSU-FL-OEM)	POWER SUPPLY (100-240VAC)
 238(L) × 60 (W) × 80.5 (H) mm³, 1.5 kg	 250 (L) × 205 (W) × 84 (H) mm³, 3.6 kg	 235 (L) × 174 (W) × 73 (H) mm³, 2.6 kg	 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg

1 One fixed value ~20kHz.

2 Fixed Pulse width.