

FL-532/1.5W/3W/4.5W



FL SERIES 532nm LASER SOURCE
FOR LASER MARKING

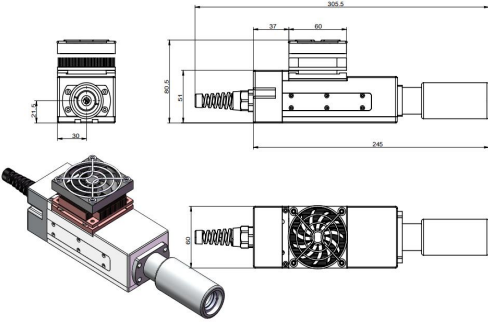
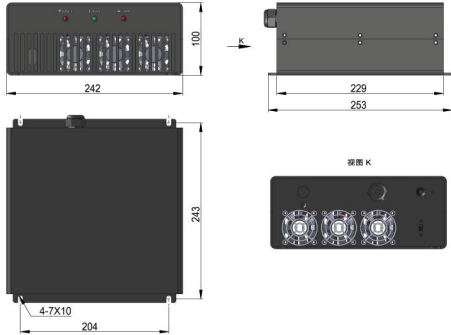
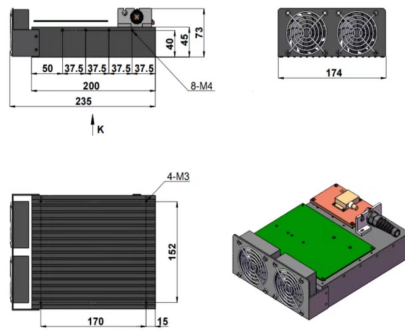
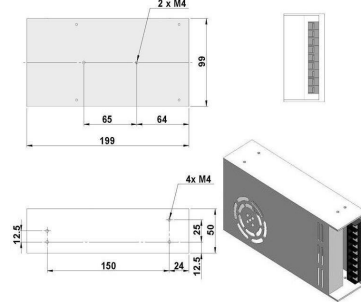
FL-532nm series laser has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser marking, engraving on the diamond, metal, Steel, IC, Plastics, and also in scientific research.



SPECIFICATIONS

Wavelength (nm)	532±1		
Operating mode	Passively		
Average power (W)	~1.5	~3	~4.5
Single pulse energy (μJ)	~75	~150	~220
Peak power (kW)	~15	~30	~45
Rep. rate ¹	~20kHz		
Pulse duration (ns) ²	~5		
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 (mm)	~7.0		
Warm-up time (minutes)	<10		
Beam height from base plate (mm)	21.5		
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)
 305.5(L) × 60 (W) × 80.5 (H) mm³, 1.5 kg	 253 (L) × 242 (W) × 100 (H) mm³, 3.6 kg	 235 (L) × 174 (W) × 73 (H) mm³, 3.0 kg	 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg

1 One fixed value between 1kHz-15kHz.

2 Fixed Pulse width.