

FL-532/ 75 μJ/1500mW



**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.

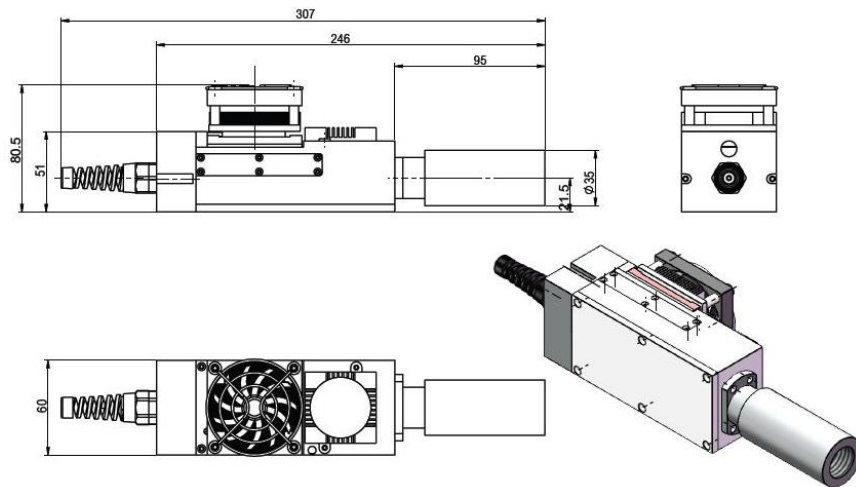


**SPECIFICATIONS**

Wavelength (nm)	532±1
Operating mode	Passively Q-switched
Average power (mW)	~1500
Single pulse energy (μJ)	~75
Pulse duration (ns)	~4
Peak power (kW)	~20
Rep. rate (kHz)	1~20kHz, Suitable for the applications of needing high peak power.
Power stability (over 8 hours)	<1%, <2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~6.0
Warm-up time (minutes)	<10
Beam height from base plate (mm)	21.5
Operating temperature (°C)	0~40
Power supply (12VDC)	PSU-FL-FDA ( switching power supply 12V/25A DC, choosed, )
Expected lifetime (hours)	20000
Warranty period	1 year

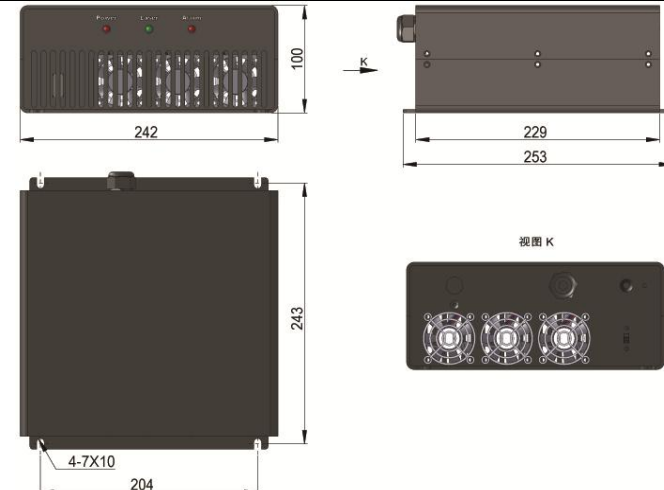


FL-532 (N)



307 (L) ×60 (W) ×80.5 (H) mm<sup>3</sup>, 1.5 kg

PSU-FL-FDA



253 (L) ×242 (W) ×100 (H) mm<sup>3</sup>, 3.6 kg