



AO-K-560&280&295&532

- 560 500mw/100uJ
- 280 100mW/ 20uJ
- 295 100W/ 20J
- 532 1000mW/ 200uJ

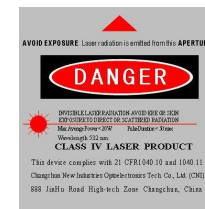
LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at wavelengths 560&280&295&532 has the features of high peak power and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.

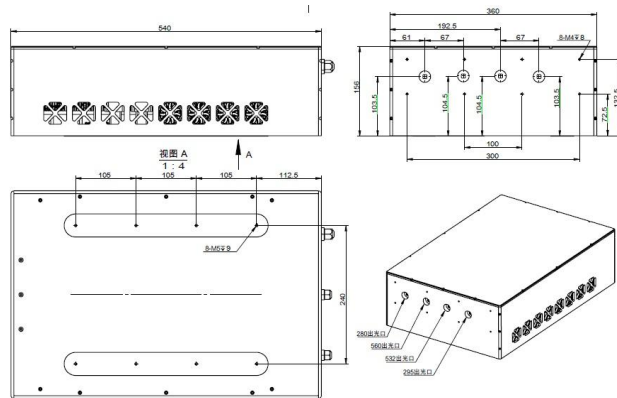


SPECIFICATIONS

Wavelength (nm)	560±1	280±1	295±1	532±1
Operating mode	Acousto-Optic Q-switched			
Average power (mW)	500mW @5kHz	100mw@5kHz	100mW @5KHz	1000mW @5KHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)			
Single pulse energy (uJ)	>100uJ @5kHz	>20uJ @5kHz;	>20uJ @5kHz;	>200uJ @5kHz;
Rep. rate (kHz)	1~10			
Pulse duration (ns)	~10@5KHz			
Peak power (kW)	~10@5KHz	~2@5KHz	~2@5KHz	~20@5KHz
Ave power stability (over 4 hours)	<5% ,<3% ,<2%			
Beam divergence, full angle (mrad)	<3.5			
Beam diameter at the aperture (1/e ² , mm)	~3	~1		
Polarization ratio	>100:1, Vertical	>100:1, Horizontal	>100:1, Horizontal	>100:1, Vertical
Beam height from base plate (mm)	103.5			
Warm-up time (minutes)	<10			
Cooled method	Air cooled			
Operating temperature (°C)	10~35			
Supply Voltage	DC 24V/42A			

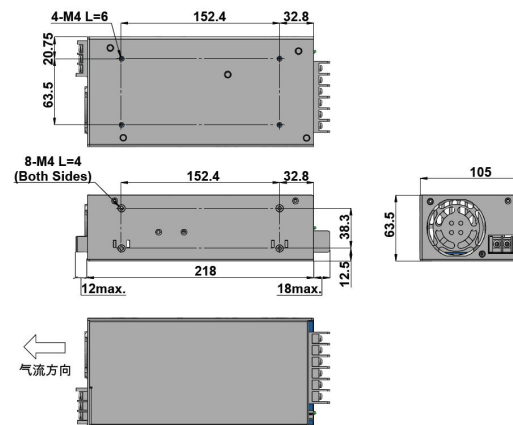


AO-K-560&280&295&532 Integrated electronics



540 (L) × 360 (W) × 156 (H) mm³

PSU-24 (Power supply 100-240VAC)



DC24V 42A; 248 (L) × 105 (W) × 63.5 (H) mm³