

AO-K-280&295/100mW/ 20uJ

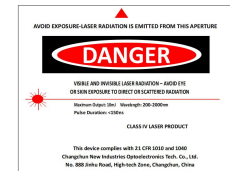
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at wavelengths of 280&295nm 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.

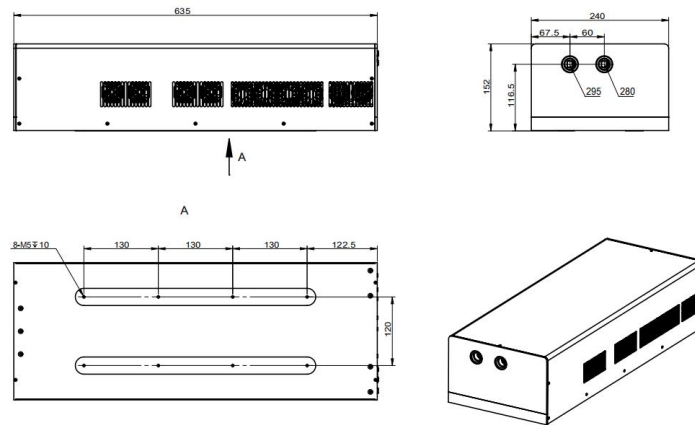


SPECIFICATIONS

Wavelength (nm)	280±1	295±1
Operating mode	Actively	
Average power (mW)	100@5kHz	100@5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (uJ)	>20@5kHz	>20@5kHz
Rep. rate ¹	5-10kHz	
Pulse duration (ns) ²	<10@5kHz	
Peak power (kW)	~4@5kHz	~4@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)	~1	
Polarization ratio	>100:1 Horizontal	
Beam height from base plate (mm)	116.5	
Warm-up time (minutes)	<10	
Cooled method	Air cooled	
Operating temperature (°C)	10-35	
Operating voltage (VDC)	24V/42A	
Expected lifetime (hours)	>10000	

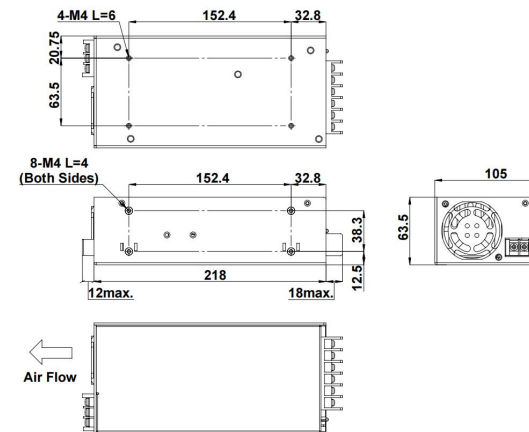


LASER HEAD (Driver Integrated)



635 (L) × 240 (W) × 152 (H) mm³, 25kg

POWER SUPPLY (100-240VAC)



248 (L) × 105 (W) × 63.5 (H) mm³, 2.2 kg

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

Website: www.precisometer.com E-mail: info@precisometer.com