



AO-K-295/100mW/ 20uJ

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

All solid state AOM Q-switched laser at the wavelength of 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.

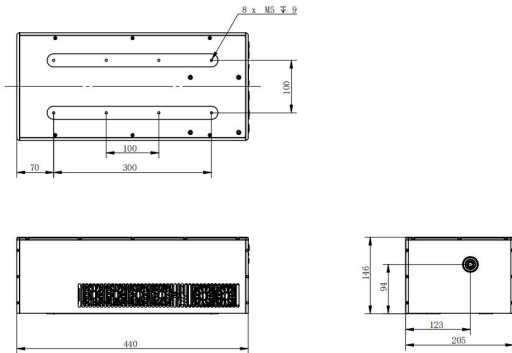


#### SPECIFICATIONS

|                                                       |                                                                |
|-------------------------------------------------------|----------------------------------------------------------------|
| Wavelength (nm)                                       | 295±1                                                          |
| Operating mode                                        | Acousto-Optic Q-switched                                       |
| Average power (mW)                                    | 100mW @5kHz                                                    |
|                                                       | Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) |
| Single pulse energy (uJ)                              | >20uJ @5kHz                                                    |
| Rep. rate (kHz)                                       | 1~10                                                           |
| Pulse duration (ns)                                   | <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 <sup>2</sup> , mm) | ~1                                                             |
| Polarization ratio                                    | >100:1,Horizontal                                              |
| Beam height from base plate (mm)                      | 94                                                             |
| Warm-up time (minutes)                                | <10                                                            |
| Cooled method                                         | Air cooled                                                     |
| Operating temperature (°C)                            | 10~35                                                          |
| Power supply                                          | DC 24V/ 20.9A ( optional)                                      |

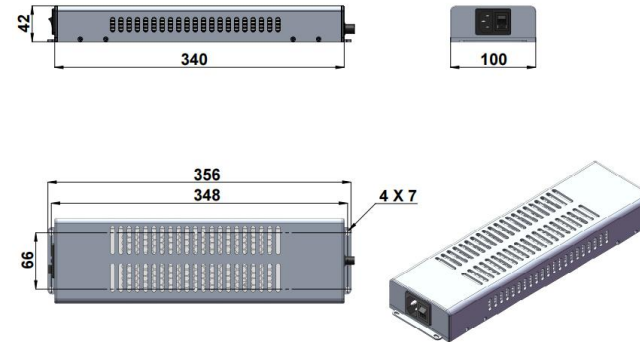


AO-K-295 *Integrated electronics*



440 (L) × 205(W) × 146(H) mm<sup>3</sup>

PSU-24 (Power supply 100-240VAC)



DC24V 20.9A;356 (L) × 100(W) × 42 (H) mm<sup>3</sup>