

AO-W-1573/1~15uJ/1~500mW

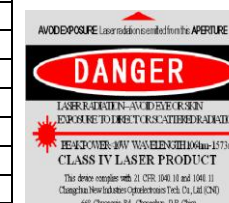
### SPECIFICATIONS

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

All solid state AOM Q-switched laser at 1573 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser radar ranging, spectrometry, remote sensing, and so on.



|                                    |  |
|------------------------------------|--|
| Wavelength (nm)                    | 1573±1                                     |
| Operating mode                     | Q-switched: AOM (Acousto-Optic Modulation) |
| Output power @Q-switched mode      | 1~500mW@30kHz, typical                     |
| Single pulse energy (μJ)           | 1~15                                       |
| Pulse duration (ns)                | ~10  |
| Peak power (kW)                    | 1-1.5                                      |
| Rep. rate (kHz)                    | 1~50, 1~100, 1~200, optional               |
| Ave power stability (over 4 hours) | <5%  |
| Warm-up time (minutes)             | <10  |
| Beam divergence, full angle (mrad) | <2.0                                       |
| Beam diameter at the aperture (mm) | ~4.0                                       |
| Beam height from base plate (mm)   | 93.5                                       |
| Cooled method                      | Air cooled                                 |
| Operating temperature (°C)         | 15~35                                      |
| Power supply (220/110VAC)          | PSU-AOM                                    |
| Expected lifetime (hours)          | 10000                                      |
| Warranty period                    | 1 year                                     |



| AO-W-1573  | Dimensions | PSU-AOM   | Dimensions |
|--|------------|---|------------|
| <p>333(L)×140(W)×125(H) mm<sup>3</sup>, 6.1 kg</p> |            | <p>320(L) ×303(W) ×125 (H) mm<sup>3</sup>, 10.5kg</p> |            |