

AO-Z-1064 /1~400uJ/8~13W

SPECIFICATIONS


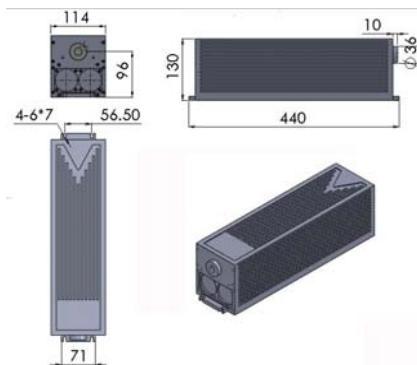

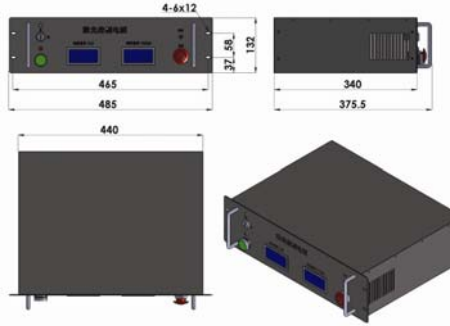
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER**

All solid state AOM Q-switched laser at 1064 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.



| | | | | | |
|------------------------------------|------------------|--|-----------|------------|-------------|
| Wavelength (nm) | | 1064±1 | | | |
| Operating mode | | CW Q-switched: AOM (Acousto-Optic Modulation) | | | |
| Output power | @CW mode | 1~13W | | | |
| | @Q-switched mode | >95% @30kHz, typical | | | |
| Single pulse energy (uJ) | | 1~400 | | | |
| Pulse duration (ns) | | <40@30kHz | <50@50kHz | <70@100kHz | <120@200kHz |
| Peak power (kW) | | ~10 | | | |
| Rep. rate (kHz) | | 1~200, adjustable by external control | | | |
| Ave power stability (over 4 hours) | | <1%, <3%, <5%, <10% | | | |
| Warm-up time (minutes) | | <10 | | | |
| Beam divergence, full angle (mrad) | | <1.5 | | | |
| Beam diameter at the aperture (mm) | | ~4.0 | | | |
| Beam height from base plate (mm) | | 96 | | | |
| Polarization ratio | | >100:1 | | | |
| Cooled method | | Air cooled | | | |
| Operating temperature (°C) | | 15~35 | | | |
| Power supply (220/110VAC) | | PSU-AOM | | | |
| Expected lifetime (hours) | | 10000 | | | |
| Warranty period | | 1 year | | | |
| Pilot light | | 5mW @650nm | | | |



| AO-Z-1064 | Dimensions | PSU-AOM | Dimensions |
|---|--|--|---|
|  <p>440(L)×114(W) ×130(H) mm³, 6.1 kg</p> |  |  <p>485(L) ×375.5(W) ×132 (H) mm³, 8.0kg</p> |  |