



AO-U-532&266 /3000mW&400mW



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

All solid state AOM Q-switched laser at Daul wavelengths 532nm and 266nm has the features of high peak power and short pulse duration, which is used in laser radar, laser marking, scientific research and so on.



SPECIFICATIONS

| | | | | |
|---|--|-----------|-------------------|----------|
| Wavelength (nm) | 532±1 | | 266±1 | |
| Operating mode | Actively | | | |
| Average power (mW) | 2500@3kHz | 3000@5kHz | 300@3kHz | 400@5kHz |
| | Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) | | | |
| Single pulse energy (uJ) | >800@3kHz | >600@5kHz | >100@3kHz | >80@5kHz |
| Rep. rate ¹ | 1-10kHz | | | |
| Pulse duration (ns) ² | ~13@3kHz | ~15@5kHz | ~10@3kHz | ~12@5kHz |
| Peak power (kW) | ~60@3kHz | ~40@5kHz | ~10@3kHz | ~6@5kHz |
| Ave power stability (over 4 hours) | <3%, <2%, <1% | | | |
| Transverse mode | TEM ₀₀ | | | |
| Beam divergence, full angle (mrad) | <3.5 | | | |
| Beam diameter at the aperture (1/e ² , mm) | ~1.3 | | ~0.8 | |
| M ² | <1.2 | | | |
| Polarization ratio | >100:1 Vertical | | >100:1 Horizontal | |
| Beam height from base plate (mm) | 116.3 | | | |
| Warm-up time (minutes) | <10 | | | |
| Cooled method | Air cooled | | | |
| Operating temperature (°C) | 10-35 | | | |
| Operating voltage(VDC) | 12V/25A | | | |
| Expected lifetime(hours) | >10000 | | | |



| LASER HEAD (Driver Integrated) | POWER SUPPLY PSU-12 (100-240VAC) optional | POWER SUPPLY PSU-12-P ³ (100-240VAC) optional |
|---|---|---|
| <p>542 (L) × 222 (W) × 158 (H) mm³</p> | <p>199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg</p> | <p>210(L) × 150 (W) × 112.3 (H) mm³, 2.75 kg</p> |

1 Other rep.rate range available on request.

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

3 Parameters can be adjusted.(on/off, Rep. Rate, etc.)