



AO-266W-HE/1000mW/100μJ



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

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



SPECIFICATIONS

| | |
|---|--|
| Wavelength (nm) | 266±1 |
| Operating mode | Actively |
| Average power (mW) | 1000 Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) |
| Single pulse energy (μJ) | >100 |
| Rep. rate | 10kHz |
| Pulse duration (ns) ¹ | ~12 |
| Peak power (kW) | ~8 |
| Power stability (rms, 4 hours ± 3°C) | <3%, <2%, <1% |
| Transverse mode | TEM ₀₀ |
| Beam divergence, full angle (mrad) | <1.5 |
| Beam diameter at the aperture (1/e ² , mm) | ~1.0 |
| M ² | <1.2 |
| Polarization ratio | >100:1 Horizontal |
| Warm-up time (minutes) | <10 |
| Beam height from base plate (mm) | 103 |
| Cooled method | Water cooled |
| Operating temperature (°C) | 10-35 |
| Operating voltage (VDC) | 24V/20.9A |
| Expected lifetime (hours) | >10000 |



| LASER HEAD (Driver Integrated) | POWER SUPPLY PSU-24 (100-240VAC) optional | POWER SUPPLY PSU-24-P ² (100-240VAC) optional | WATER CHILLER(WCH-580) |
|---|--|--|---|
| <p>650 (L) × 220 (W) × 140 (H) mm³, 21kg</p> | <p>356(L) × 100 (W) × 42 (H) mm³, 2.2kg</p> | <p>210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg</p> | <p>369.8 (L) × 258.4(W) × 240.6 (H) mm³, 10.5 kg</p> |

1 Pulse width not tunable.

2 Parameters can be adjusted.(on/off, etc.)