



AO-S-526.5/1~20μJ/1~50mW

**LD PUMPED ALL-SOLID-STATE
ACOUSTO-OPTIC Q-SWITCHED LASER
AT 526.5 nm**

All solid state acousto-optic Q-switched laser at 526.5 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in material processing, measure, scientific research and so on.



SPECIFICATIONS

| | | |
|---|--|------|
| Wavelength (nm) | 526.5±1 | |
| Operating mode | Acousto-Optics Q-switched | |
| Single pulse energy (μJ) | 1~20 (20μJ @1kHz; 10μJ @5kHz) | |
| Rep. rate (kHz) | 0.1~50 | |
| Pulse duration | Typically 5~10ns @<10kHz, varies from power and repetition. | |
| Average power (mW) | Average power (mW)= Single pulse energy (μJ)* Rep. rate(kHz) | |
| Power Stability (rms, over 4 hours) | <3%, <5%, <10% | |
| Transverse mode | Near TEM ₀₀ | |
| M ² factor | <1.5 | |
| Beam Diameter at the aperture 1/e ² (mm) | ~1.2 (optional) | ~0.3 |
| Beam divergence, full angle (mrad) | <1.5 (optional) | <5.0 |
| Polarization ratio | >100:1 Vertical ±5 degree | |
| Warm-up Time (minutes) | <10 | |
| Beam height from base plate (mm) | 25 | |
| Operating temperature(°C) | 10~35 | |
| Power supply (90-264VAC) | PSU-AOM-DL | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



Note: The laser head needs to be used on a heat sink with good heat dissipation.

| AO-S-526.5 | PSU-AOM-DL |
|---|---|
| <p>211(L) × 60(W) × 48 (H) mm³, 1.05kg</p> | <p>270 (L) × 214(W) × 99(H) mm³, 3.55 kg</p> |