



AO-U-524 1~3000mW

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

All solid state AOM Q-switched laser at 524nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



**SPECIFICATIONS**

|   |  |
|---|--|
| Wavelength (nm)                                       | 524±1  |
| Operating mode  | Acousto-Optic Q-switched                                       |
| Average power (mW)                                    | 3000mW @3kHz   |
|   | Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) |
| Single pulse energy (μJ)                              | >1000  |
| Rep. rate (kHz)                                       | 1~10   |
| Pulse width (ns)                                      | <20 @3kHz  |
| Peak power (kW)                                       | ~50 @3kHz  |
| Ave power stability (over 4 hours)                    | <3%  |
| Beam quality (M <sup>2</sup> )                        | <1.5   |
| Beam divergence, full angle (mrad)                    | <4   |
| Transverse mode                                       | TEM00  |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~1   |
| Polarization ratio                                    | >100:1   |
| Warm-up time (minutes)                                | <10  |
| Cooled method   | Air Cooled   |
| Operating temperature (°C)                            | 10~35  |

