



AO-U-527 1~2500mW

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

All solid state AOM Q-switched laser at 527nm 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)	527±1
Operating mode	Acousto-Optic Q-switched
Average power (mW)	2500mW @3kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>800
Rep. rate (kHz)	1~10
Pulse width (ns)	<20 @3kHz
Peak power (kW)	~40 @3kHz
Ave power stability (over 4 hours)	<3%
Beam quality (M ²)	<1.5
Beam divergence, full angle (mrad)	<4
Transverse mode	TEM00
Beam diameter at the aperture (1/e ² , mm)	~1
Polarization ratio	>100:1
Warm-up time (minutes)	<10
Cooled method	Air Cooled
Operating temperature (°C)	10~35

