

AO-U-527 /2.5W/800uJ

LD PUMPED ALL-SOLID-STATE AOM 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	Actively
Average power (W)	2.5 @3kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>800@3kHz
Rep. rate ¹	1-10kHz
Pulse duration (ns) ²	<20 @3kHz
Peak power (kW)	~40 @3kHz
Ave power stability (over 4 hours)	<5%, <3%, <2%
M ²	<1.5
Beam divergence, full angle (mrad)	< 4
Transverse mode	TEM ₀₀
Beam diameter at the aperture (1/e ² , mm)	~1
Warm-up time (minutes)	<10
Cooled method	Air cooled
Operating temperature (°C)	10-35



¹ Other rep.rate range available on request.

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