

AO-XF-639/1~80μJ/1~1300mW

**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER AT 639 nm**

Precisometer's all solid state AOM Q-switched laser at 639 nm is made features of ultra compact, long lifetime, low cost and easy operating, it is widely used in measurement, spectrum analysis, and laser lighting show etc.



SPECIFICATIONS

Wavelength (nm)	639±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	1~1300mW (800mW@10kHz,1300mW@20kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~80 (80μJ @10kHz,65μJ @20kHz)
Rep. rate (kHz)	1~20
Pulse duration (ns)	<30 @10kHz, varies from power and repetition.
Peak power (kW)	1~2.6 (2.6kW@10kHz)
Ave power stability (over 4 hours)	<3%, <5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2
Beam diameter at the aperture (1/e ² ,mm)	~1.5
Beam height from base plate (mm)	On request
Cooled method	Water cooled
Operating temperature (°C)	10~35
Power supply (220/110VAC)	On request
Expected lifetime (hours)	10000
Warranty period	1 year

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