

AO-Z-3800 /1~50uJ/1~1000mW


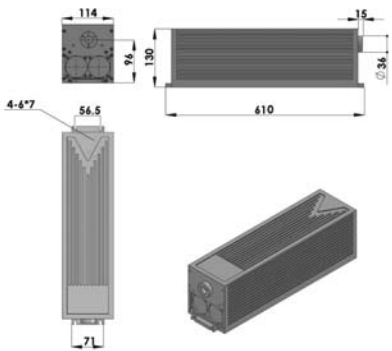

SPECIFICATIONS

LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at 3800 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.

Wavelength (nm)	3800±20
Operating mode	Q-switch: AOM (Acousto-Optic Modulation)
Output power(mW)	1~1000
Single pulse energy (μJ)	1~50@20KHz
Pulse duration (ns)	25@20kHz
Peak power (kW)	~2
Rep. rate (kHz)	1~50
Ave power stability (over 4 hours)	<5%, <10%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2
Beam diameter at the aperture (mm)	~4.0
Beam height from base plate (mm)	96
Cooled method	Air cooled
Operating temperature (°C)	10~35
Power supply (220/110VAC)	PSU-AOM(3U)
Expected lifetime (hours)	10000
Warranty period	1 year



AO-Z-3800	Dimensions	PSU-AOM(3U)	Dimensions
 <p>610(L)×114(W) ×130(H) mm³, 9.8 kg</p>		 <p>485(L) ×381(W) ×133 (H) mm³, 12.4kg</p>	