

AO-Z-457 /1~33uJ/1~1000mW

SPECIFICATIONS

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

All solid state AOM Q-switched laser at 457 nm 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.



Wavelength (nm)	457 ±1
Operating mode	Q-switch: AOM (Acousto-Optic Modulation)
Output power(mW)	1~1000
Single pulse energy (μJ)	1~33
Pulse duration (ns)	~300@30kHz
Peak power (W)	~110
Rep. rate (kHz)	1~50, adjustable by external control
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-457	Dimensions	PSU-AOM(3U)	Dimensions
<p>440(L) × 114(W) × 130(H) mm³, 9.8 kg</p>		<p>485(L) × 381(W) × 133 (H) mm³, 12.4kg</p>	