

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

OEAO-Z-473

All solid state AOM Q-switched laser at 473nm 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.

Features

- Output Power up to 500mW
- TEC cooling system
- Lightweight, compact design
- High peak power
- High repetition rate
- Best reliability and lifetime

Applications

- Measure
- Research
- Scientific experiment
- Optical instrument

Options

- Fiber coupling lasers
- RGB lasers
- Line lasers
- Single longitudinal lasers

Specification

Wavelength (nm)	473±1
Operating mode	Q-switch: AOM (Acousto-Optic Modulation)
Output power(mW)	1~500
Single pulse energy (μJ)	1~50
Pulse duration (ns)	~230@10kHz
Peak power (W)	~210
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

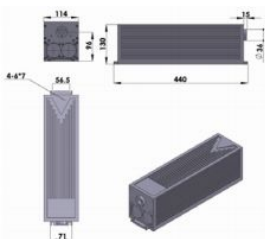
OEAO-Z-473



440(L)×114(W)×130(H)mm³

9.8 kg

Dimensions



PSU-AOM(3U)



485(L)×381(W)×133(H)mm³

12.4kg

Dimensions

