

AO-T-1064/1-7W/1-700μJ



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

All solid state AOM Q-switched laser AO-T-1064 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.

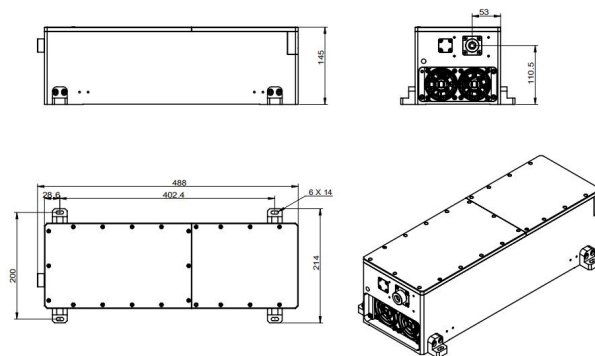


SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Actively
Average power (W)	7@10kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	700@10kHz
Rep. rate ¹	1-100kHz
Pulse duration (ns) ²	~35@10kHz
Peak power (kW)	~20@10kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e ² , mm)	~1
M ²	<1.1
Polarization ratio	>100:1 Horizontal
Beam height from base plate (mm)	109.75
Warm-up time (minutes)	<10
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-AOM
Expected lifetime (hours)	>10000

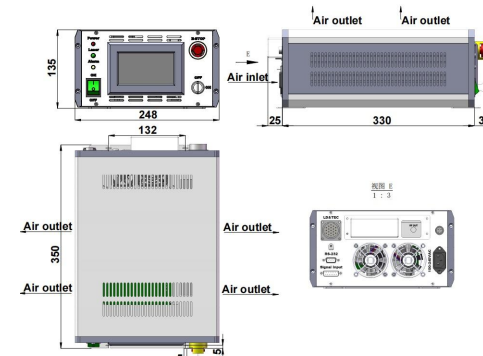


LASER HEAD



488 (L) × 214 (W) × 145 (H) mm³, 16.0kg

POWER SUPPLY (PSU-AOM)



391 (L) × 248 (W) × 135 (H) mm³, 6.0 kg

1 Other rep.rate range available on request.

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

Website: <http://www.cnilaser.com>

E-mail: sales@cnilaser.com

Tel: +86-431-85603799

Fax: +86-431-89216068