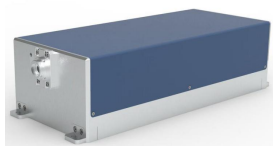


AO-532W-LP 20W



LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER at 532NM

All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and long pulse duration, which is used in superhard material processing and diamond cutting and so on.

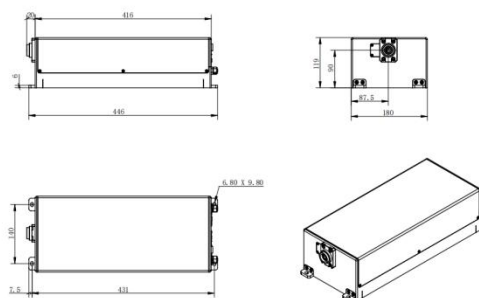


SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	20W@10kHz
Single pulse energy (μJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Rep. rate (kHz)	2000@10kHz
Pulse width (ns)	7~20
Ave power stability (over 4 hours)	<3%, <1%
Transverse mode	TEM ₀₀
Beam Circularity (%)	>90
M ² factor	<1.2
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e ² , mm)	~1
Polarization ratio	>100:1, Vertical
Beam height from base plate (mm)	~1
Warm-up time (minutes)	90
Cooled method	<10
Operating temperature (°C)	Water Cooled
Supply Voltage	10~35
	DC 24V/20.9A

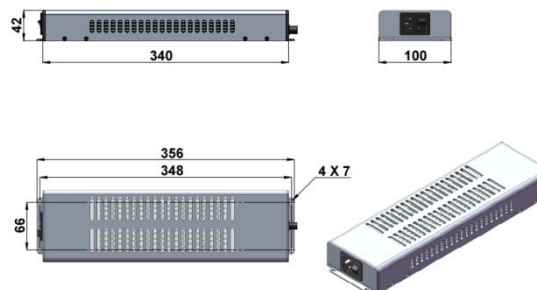


AO-532W-LP *Integrated electronics*



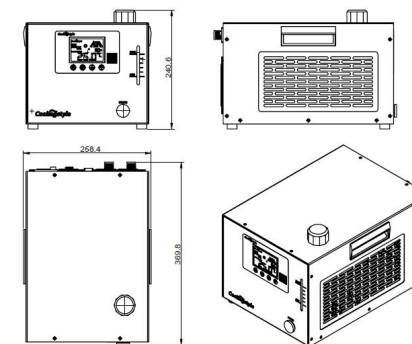
446 (L) × 180 (W) × 119 (H) mm³

PSU-24 (Power supply 100-240VAC)



DC24V 20.9A; 356(L) × 100 (W) × 42 (H) mm³, 1.6kg

Water Chiller (WCH-580)



369.8 (L) × 258.4(W) × 240.6 (H) mm³, 10.5 kg