

EO-1064-Subnano/1-1000 μ J/1-7W

HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in radar, topography measurement, marking, ranging, micro-processing, scientific research, and so on.

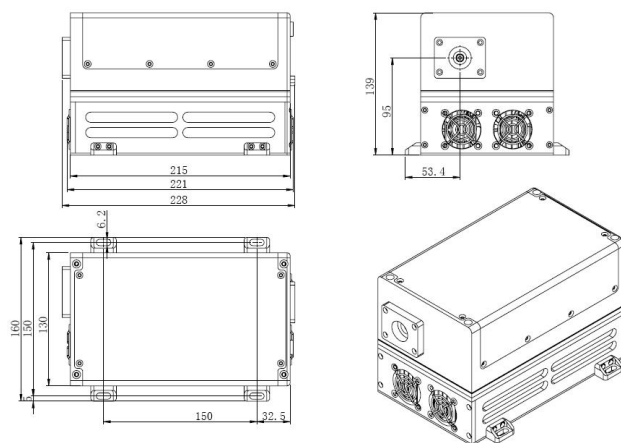


SPECIFICATIONS

Wavelength (nm)	1064 $\pm$ 1nm	
Operating mode	Actively	
Single pulse energy (uJ)	1-1000uJ@1kHz	1-700uJ@10kHz
Average power	1-1000mW@1kHz	1-7W@10kHz
Power stability (rms, 4 hours $\pm$ 3 $^{\circ}$ C)	<5%, <3%, <2%	
Pulse duration (ns)	<1.5ns@1kHz	
Rep. rate	10Hz-10kHz (adjustable)	
Beam diameter (mm)	~1mm	
Beam height from base plate (mm)	95	
Beam divergence, full angle (mrad)	<3mrad	
Cooled method	Air cooled	
Warm-up time (minutes)	<15	
Power supply (110/220VAC)	PSU-EO-Subnano	
Operating temperature ($^{\circ}$ C)	15-30	
Expected lifetime (hours)	>10000h	

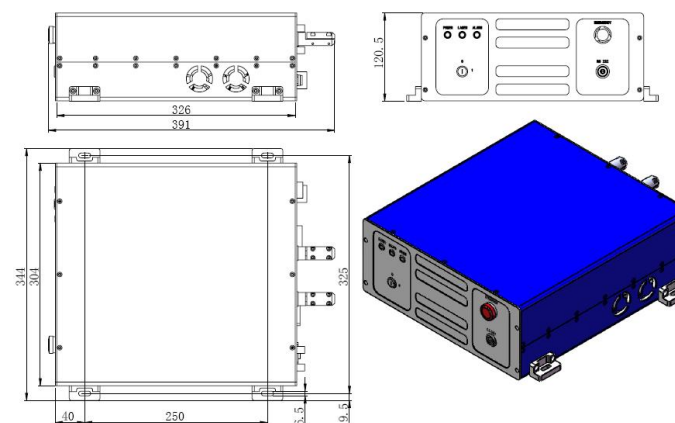


LASER HEAD



228(L) $\times$ 160(W) $\times$ 139(H)mm³, 7kg

POWER SUPPLY



391(L) $\times$ 344(W) $\times$ 120.5(H)mm³, 10kg

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