ATPO-1064-D/1-10mJ

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

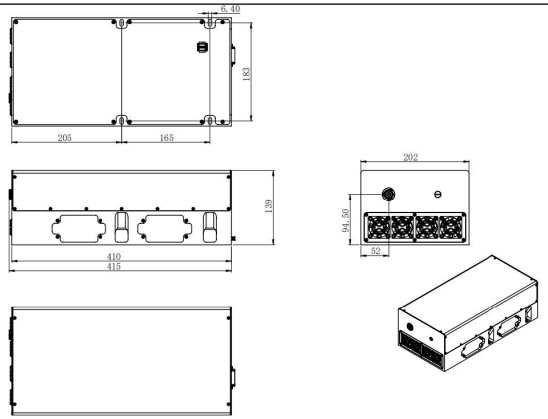
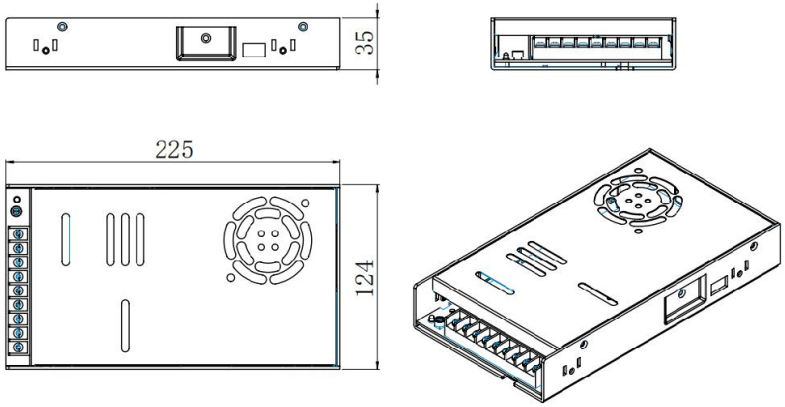
High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.

SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	1-5	5-10
Pulse duration (ns)	<10	
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate [1]	1-100Hz (adjustable)	
Energy stability (std dev/mean)	<3%, <2%, <1%	
Beam diameter (mm)	~1	~2
Beam divergence, full angle (mrad)	≤3	
M^2	≤1.5	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	98.5	
Cooled method	Air cooled	
Operating temperature (℃)	15-35	
Operating voltage (VDC)	24V/18.8A	
Expected lifetime (pulses)	10^9	





LASER HEAD (Driver integrated)	POWER SUPPLY (110/220VAC) optional
	
415(L)×202(W)×139(H)mm³, 22 kg	**225(L) ×134(W) ×35(H) mm³ , 0.85 kg**

1 Both internal trigger and external trigger are acceptable.

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