

DPS-1064-P-Mini/6mJ

SPECIFICATIONS

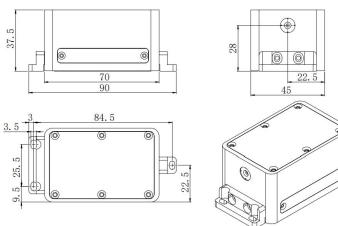
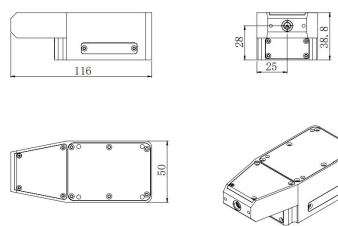
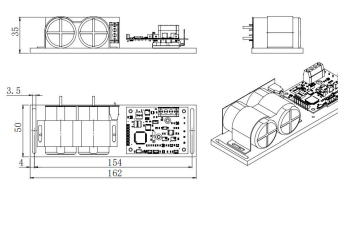
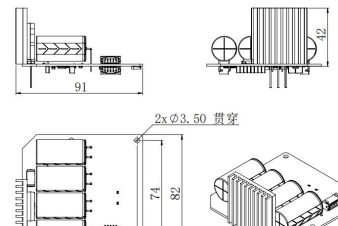
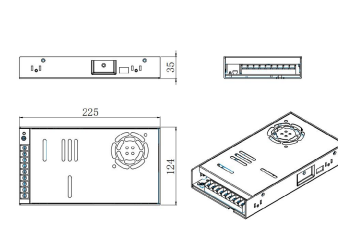
**HIGH ENERGY DIODE
PUMPED ALL-SOLID-STATE
Q-SWITCHED LASER**

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.



	DPS-1064-P-Mini-I	DPS-1064-P-Mini-II
Wavelength (nm)	1064±1	
Operating mode	Passively	
Single pulse energy (mJ)	6	5
Pulse duration (ns)	3 ± 1	
Rep. rate ¹	10-20Hz	
Energy stability (std dev/mean)	<5%, <3%, <2%	
Beam divergence, full angle (mrad)	<3	/
Pointing stability over temperature (urad/°C)	<50	/
Beam diameter (mm)	~1	~200um@17mm
Beam height from base plate (mm)	28	
Cooled method	Conduction cooled	
Operating temperature (°C)	15-30	
Operating voltage (VDC)	PSU-DPS-P-Mini-I/ PSU-DPS-P-Mini-II (24V/18.8 A)	
Expected lifetime (pulses)	10 ⁹	
Can not work continuously, work for 1-3 minutes, rest for 1-3 minutes		



LASER HEAD (DPS-1064-P-Mini-I)	LASER HEAD (DPS-1064-P-Mini-II)	DRIVER (PSU-DPS-P-Mini-I)	DRIVER (PSU-DPS-P-Mini-II)	POWER SUPPLY (110/220VAC) optional
 90(L)×45(W)×37.5(H) mm³, 0.485kg	 116(L)×50(W)×38.8(H) mm³, 0.585kg	 162 (L) ×50(W) ×35(H) mm³, 0.25 kg	 91 (L) ×82(W) ×42(H) mm³, 0.11 kg	 225(L) ×134(W) ×35(H) mm³, 0.85 kg

¹ Both internal trigger and external trigger are acceptable. Trigger frequency tunable by RS232 control.