

DPS-1064-LR/50-80mJ

**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 laser ranging, scientific research, and so on.

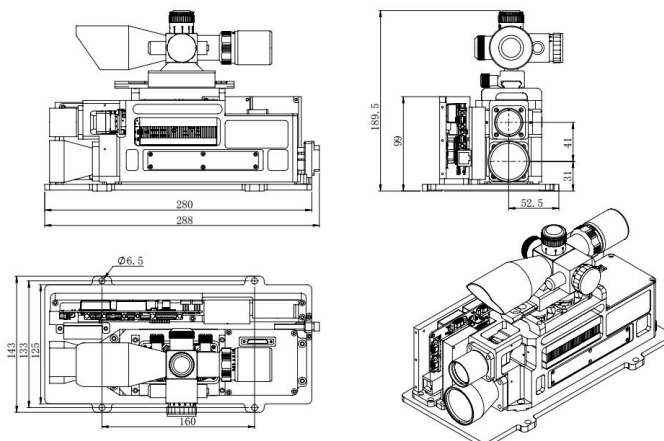


SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	50	80
Pulse duration (ns)	<10	
Rep. rate	20Hz	
Energy stability (std dev/mean)	<2%, <1%, <0.5%	
Beam divergence, full angle (mrad)	≤0.5	
Beam diameter (mm)	~30	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	31	
Ranging accuracy (m)	±2m	
Laser ranging distance	Max:≥10km Min:150m	Max:≥20km Min:150m
Cooled method	Air cooled	
Operating temperature (°C)	-40-60	
Operating voltage (VDC)	24V/18.8A	
Expected lifetime (pulses)	5×10 ⁷	

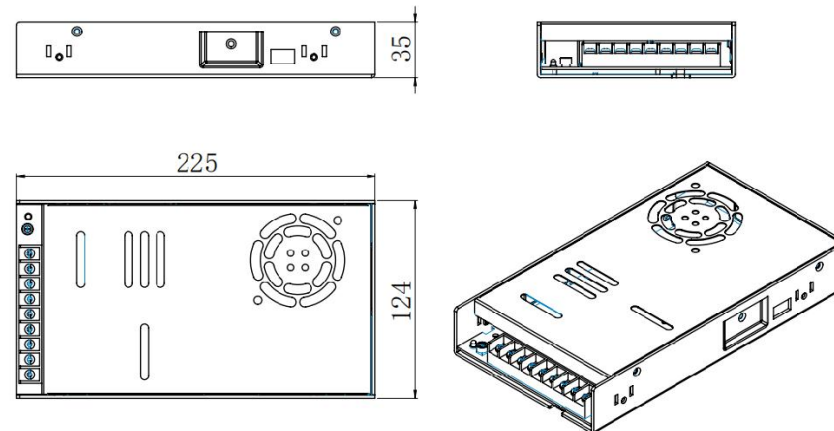


LASER HEAD (Driver integrated)



288(L)×143(W)×99(H)mm³, 4.0 kg

POWER SUPPLY (110/220VAC) optional



225(L) ×134(W) ×35(H) mm³, 0.85 kg

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