

PS-D-1064/1-100W



PICOSECOND PULSED LASER AT 1064nm

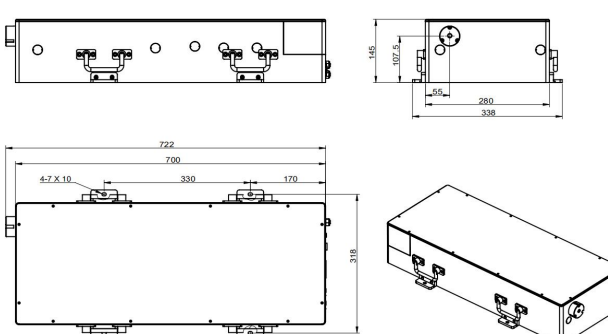
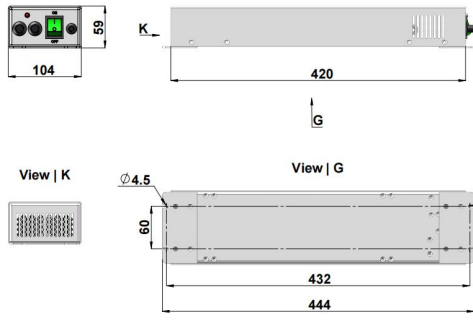
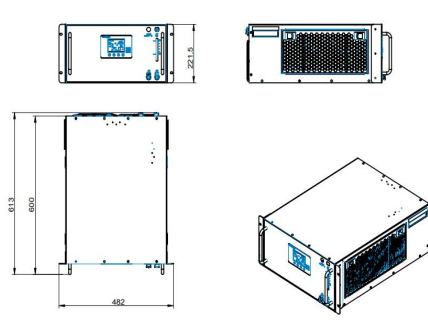
Picosecond pulsed laser at 1064nm is made features of short pulse duration, high repetition rate and good beam quality, which is used in glass marking, sapphire marking, ceramic cutting, semiconductor cutting, solar panels coating, film scribing, etc.



SPECIFICATIONS

Wavelength (nm)	1064±1		
Output power (W)	1-100W @1MHz		
Rep.rate ¹	400kHz-2MHz	80MHz±1	120MHz±1
Pulse duration (ps) ²	~10		
Power stability (rms, 4 hours ± 3°C)	<2%, <1%		
Transverse mode	TEM ₀₀		
Beam Circularity (%) ³	>90		
Beam divergence, full angle (mrad)	<3		
Beam diameter at the aperture (1/e ² , mm)	~3		
M ²	<1.2		
Polarization ratio	>100:1 Horizontal (Vertical optional)		
Beam height from base plate (mm)	107.5		
Warm-up time (minutes)	≥30		
Cooling method	Water cooled		
Operating temperature (°C)	20-30		
Operating voltage (VDC)	36V/40A		
Expected lifetime (hours)	>10000		



LASER HEAD (Driver Integrated)	POWER SUPPLY (100-240VAC)	WATER CHILLER (5U03)
 722 (L) × 338 (W) × 145 (H) mm³, 55 kg	 444(L) × 104 (W) × 59 (H) mm³, 2 kg	 613(L) × 482 (W) × 221.5(H) mm³, 28 kg

1 Other rep.rate range available on request.

2 Other pulse width available on request.

3 Better beam circularity available on request.

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