

PS-D-1064/1~100W

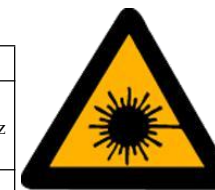


PICOSECOND PULSED LASER AT 1064nm

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.

SPECIFICATION

Wavelength (nm)	1064±1	
Output power (W)	1~100W @1MHz	On Request @48MHz/80MHz/120MHz
Rep.rate(MHz)	400KHz-2MHz (Burst)	
Pulse duration(ps)	~10	
Power stability (rms, over 4 hours)	<1%	
Transverse mode	TEM <sub>00</sub>	
Beam Circularity (%)	>90	
Beam quality (M <sup>2</sup> )	<1.2	
Beam divergence, full angle (mrad)	<3	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~3	
Polarization ratio	>100:1 (Vertical or Horizontal optional)	
Beam height from base plate (mm)	107.5	
Warm-up time (minutes)	<20	
Operating temperature (°C)	20~30	
Power supply	DC 36V/ 40A (optional)	
Water Chiller	Water Chiller ( 5U-1 )	



<p>PS-D-1064 <i>Integrated electronics</i></p>	<p>Power supply 100-240VAC</p>	<p>Water Chiller ( 5U-1 ) Ambient Temperature ≤ 27°C</p>
<p>722 (L) × 338 (W) × 145 (H) mm<sup>3</sup>, 55 kg</p>	<p>DC36V 40A; 420 (L) × 104 (W) × 57 (H) mm<sup>3</sup>, 2 kg</p>	<p>627 (L) × 426 (W) × 237 (H) mm<sup>3</sup>, 28 kg</p>