

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 panel coating, film scribing, etc.



SPECIFICATION

Wavelength (nm)	1064±1
Output power (W)	1~100W @1MHz
Rep.rate(MHz)	400KHz~2MHz (Burst)
Pulse duration(ps)	<10
Power stability (rms, over 4 hours)	<3%, <1%
Peak-to-Peak stability (rms ,over 4 hours)	<2 %
Transverse mode	TEM ₀₀
Beam Circularity (%)	>90
Beam quality (M ²)	<1.2
Beam divergence, full angle (mrad)	<1
Beam diameter at the aperture (1/e ² , mm)	~3
Polarization ratio	>100:1, Horizontal
Beam height from base plate (mm)	106
Warm-up time (minutes)	<20
Operating temperature (°C)	20~30
Power supply	DC 36V/ 40A (optional)
Water Chiller	Water Chiller (5U-1)



PS-D-1064 <i>Integrated electronics</i>	Power supply 100-240VAC	Water Chiller (5U-1) Ambient Temperature ≤ 27°C
<p>700 (L) × 404 (W) × 145 (H) mm³, 55 kg</p>	<p>DC36V 40A; 300 (L) × 85 (W) × 41 (H) mm³, 1.8 kg</p>	<p>627 (L) × 426 (W) × 237 (H) mm³, 28 kg</p>