



PS-D-532&355-Air



PICOSECOND PULSED LASER AT 532nm and 355nm

Picosecond pulsed laser 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.

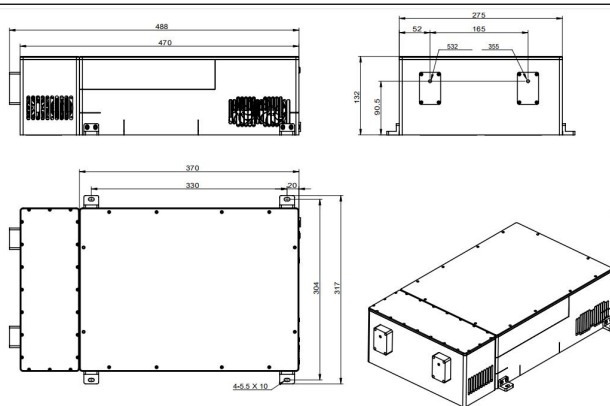


SPECIFICATIONS

Wavelength (nm)	532±1	355±1
Output power (mW)	1-300@1MHz	1-500@1MHz
Rep.rate ¹	100kHz-1MHz	
Pulse duration (ps) ²	~10	
Power stability (rms, 4 hours ± 3°C)	<3%, <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)	~1.5	~1
M ²	<1.2	
Polarization ratio	>100:1 Vertical	
Beam height from base plate (mm)	90.5	
Warm-up time (minutes)	≥30	
Cooling method	Air cooled	
Operating temperature (°C)	20-30	
Operating voltage (VDC)	24V/20.9A	
Expected lifetime (hours)	>10000	

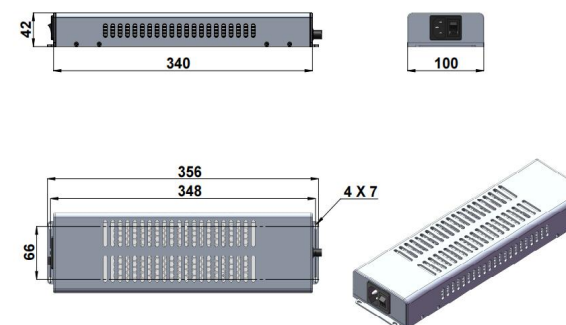


LASER HEAD (Driver Integrated)



488 (L) × 317 (W) × 132 (H) mm³, 20 kg

POWER SUPPLY (100-240VAC)



356 (L) × 100 (W) × 42 (H) mm³, 2.4kg

- 1 Other rep.rate range available on request.
- 2 Other pulse width available on request.
- 3 Better beam circularity available on request.