



MLPS532 Series 532nm Mode-Locked Picosecond Pulsed Laser up to 1000mW

Overview

The MLPS532 series mode-locked picosecond pulsed laser is ideal for applications that require a wavelength of 532nm and output power levels up to 1000mW. The laser is constructed with features of short pulse duration, high repetition rate and good beam quality. The laser is commonly used in industrial processing, physics experiment, and many other applications.



Specifications

Model Number	MLPS532-XYZ-C	
Wavelength (nm)	532±1	
Operating mode	Mode-locked	
Output power at Mode-locked mode (mW)	>100 (X=100), >200 (X=200), >300 (X=300), >500 (X=500), >800 (X=800), >1000 (X=1W)	
Transverse mode	TEM ₀₀	
Power stability (rms, over 4 hours)	<5% (Z=A), <3% (Z=E)	
Pulse duration (ps)	10-20	
Repetition rate (MHz)	48±1	
Beam diameter at aperture (mm)	~1.5	
Beam divergence, full angle (mrad)	<3	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	57	
Operating temperature (°C)	10-30	
Dimensions of laser head (mm)	545(L)×244(W) ×90(H) mm ³	
Weight of laser head (kg)	19 kg	
Power supply		
Z Version Laboratory Power Supply (Y=Z)	Input voltage	90-264VAC
	Dimensions	300(L) ×300(W) ×123(H) mm ³
	Weight	6.2 kg
Dimensions of water chiller (mm)	369(L)×350(W) ×347(H) mm ³	
Weight of water chiller (kg)	22 kg	
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IIIb	

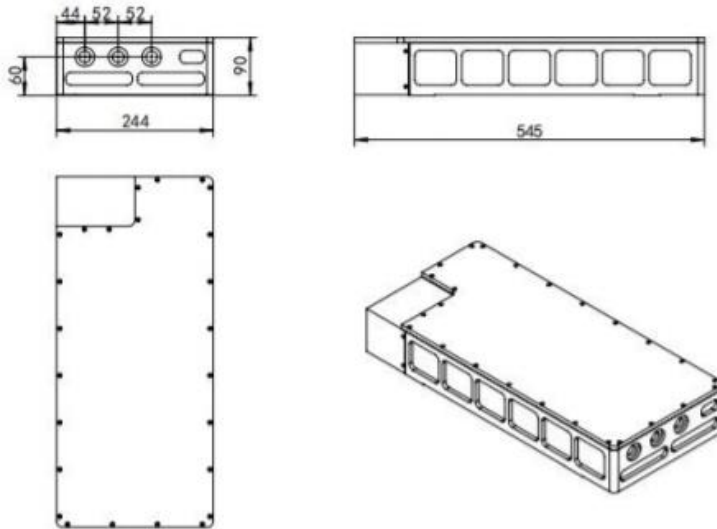
Remarks:

- Specifications of the pulsed laser is based on the laser pulsed at the specified repetition rate. If the laser is run at a different repetition rate, the output characteristics may change.

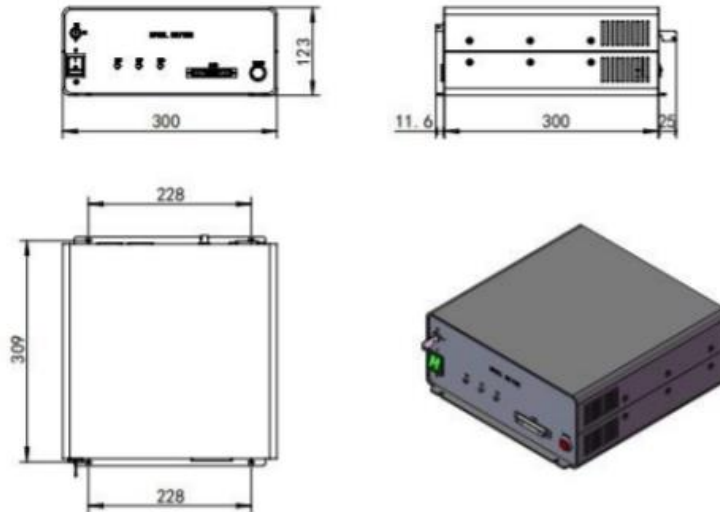


Outline Dimensions (unit: mm)

Laser Head



Power Supply



Water Chiller



Note: The above specifications are subject to change without notice.