



## MLPT1064 Series 1064nm Mode-Locked Picosecond Pulsed Laser up to 300mW

### Overview

The MLPT1064 series mode-locked picosecond pulsed laser is ideal for applications that require a wavelength of 1064nm and output power levels up to 300mW. The laser is constructed with SESAM technique and with features of short pulse duration, high repetition rate and good beam quality. The laser is commonly used in laser seed source, nonlinear optics, spectrum analysis, photonic crystal micro processing, optical film micro processing, and many other applications.

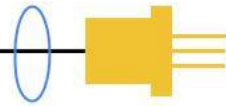


### Specifications

<b>Model Number</b>	<b>MLPT1064-XYZ-C</b>	
Wavelength (nm)	1064±1	
Operating mode	Mode-locked	
Output power at Mode-locked mode (mW)	>100 ( <b>X=100</b> ), >200 ( <b>X=200</b> ), >300 ( <b>X=300</b> )	
Transverse mode	TEM <sub>00</sub>	
Power stability (rms, over 4 hours)	<5% ( <b>Z=A</b> ), <3% ( <b>Z=E</b> )	
Pulse duration (ps)	10-20	
Repetition rate (MHz)	80±1	
Polarization ratio	>100:1	
M <sup>2</sup> factor	1.2	
Beam diameter at aperture (1/e <sup>2</sup> , mm)	~2	
Beam divergence, full angle (mrad)	<2.0	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	48	
Operating temperature (°C)	10-30	
Dimensions of laser head (mm)	491(L)×214(W) ×80(H) mm <sup>3</sup>	
Weight of laser head (kg)	14 kg	
<b>Power supply</b>		
<b>Z Version Laboratory Power Supply (Y=Z)</b>	Input voltage	90-264VAC
	Dimensions	320(L) ×300(W) ×123(H) mm <sup>3</sup>
	Weight	6.2 kg
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

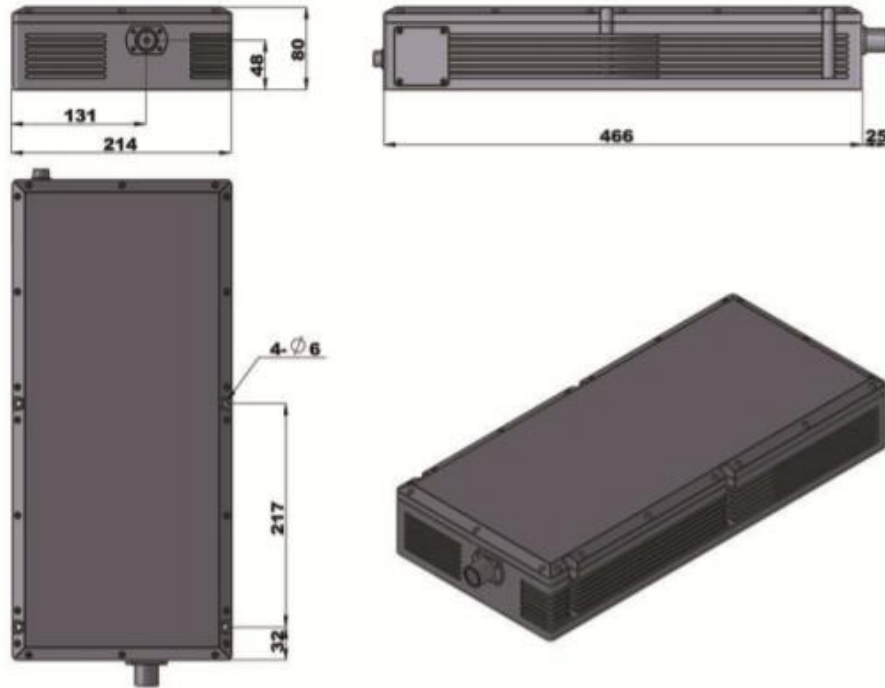
#### Remarks:

- 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.

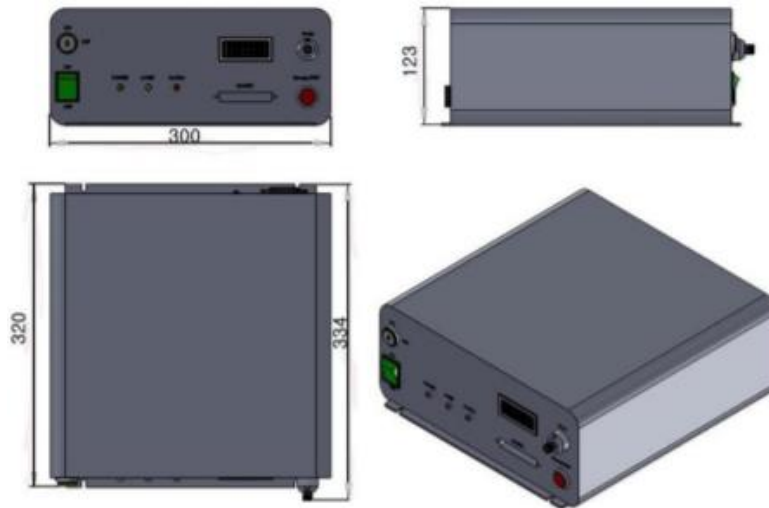


**Outline Dimensions (unit: mm)**

**Laser Head**



**Power Supply**



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