



## MLPS266 Series 266nm Mode-Locked Picosecond Pulsed Laser up to 50mW

### Overview

The MLPS266 series mode-locked picosecond pulsed laser is ideal for applications that require a wavelength of 266nm and output levels up to 50mW. The laser is constructed with features of short pulse duration, high repetition rate and good beam quality. The laser is commonly used in laser medical treatment, industrial processing, and many other applications.



### Specifications

<b>Model Number</b>	<b>MLPS266-XYZ-C</b>	
Wavelength (nm)	266±1	
Operating mode	Mode-locked	
Output power at Mode-locked mode (mW)	>10 ( <b>X=10</b> ), >20 ( <b>X=20</b> ), >30 ( <b>X=30</b> ), >50 ( <b>X=50</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)	48±1	
Beam diameter at aperture (mm)	~3	
Beam divergence, full angle (mrad)	<4	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	60	
Operating temperature (°C)	10-30	
Dimensions of laser head (mm)	545(L)×244(W) ×90(H) mm <sup>3</sup>	
Weight of laser head (kg)	19 kg	
Power supply		
Z Version Laboratory Power Supply ( <b>Y=Z</b> ):	Input voltage	90-240VAC
	Dimensions	300(L) ×300(W) ×123(H) mm <sup>3</sup>
	Weight	6.2 kg
Dimensions of water chiller (mm)	369(L)×350(W) ×347(H) mm <sup>3</sup>	
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.
- Specifications are subject to change without notice.



**Outline Dimensions (unit: mm)**

Laser Head	Power Supply
Water Chiller	

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