



TW4050R4180 Series 4050-4180nm Wavelength Tunable DPSS Laser System up to 800mW

Overview

The TW4050R4180 series wavelength tunable diode pumped all solid-state laser is ideal for applications that require a wavelength range of 4050-4180nm and output power levels up to 800mW. The laser is widely used in remote sensing, spectroscopy, medical and many other applications.

Specifications

Model Number	TW4050R4180-XZ	
Tunable wavelength range (nm)	4050-4180	
Wavelength deviation (nm)	±20	
Operating mode	CW	
Average power (mW)	>500 (X=500), >800 (X=800)	
Power stability (rms, over 4 hours)	<5% (Z=A)	
Beam diameter at aperture (1/e ² , mm)	<10	
Beam divergence, full angle (mrad)	<10	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	111.5	
Operating temperature (°C)	15-30	
Dimensions of laser head (mm)	402(L)×214(W)×160(H) mm ³	
Weight of laser head (kg)	11.5 kg	
Power supply	Input voltage	90-264VAC
	Dimensions	483.5(L)×454(W)×147.5(H) mm ³
	Weight	8.3 kg
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

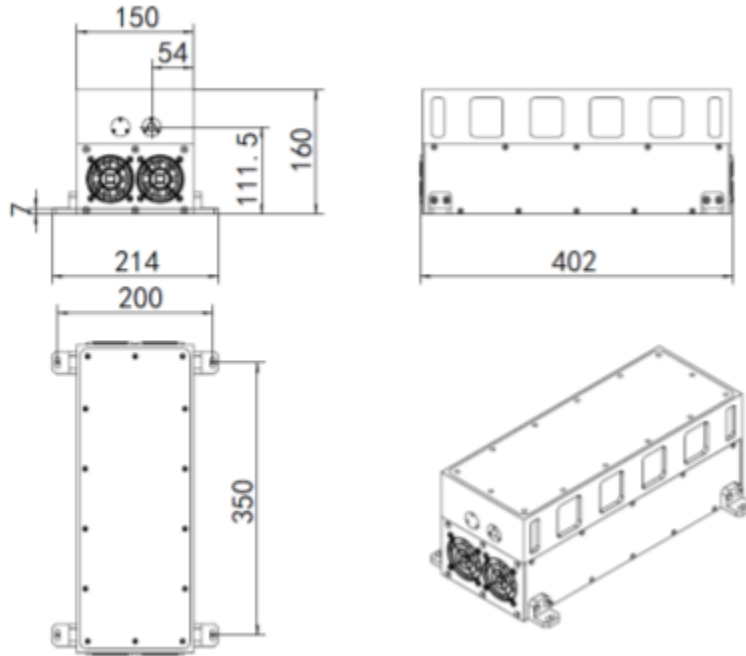
Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.

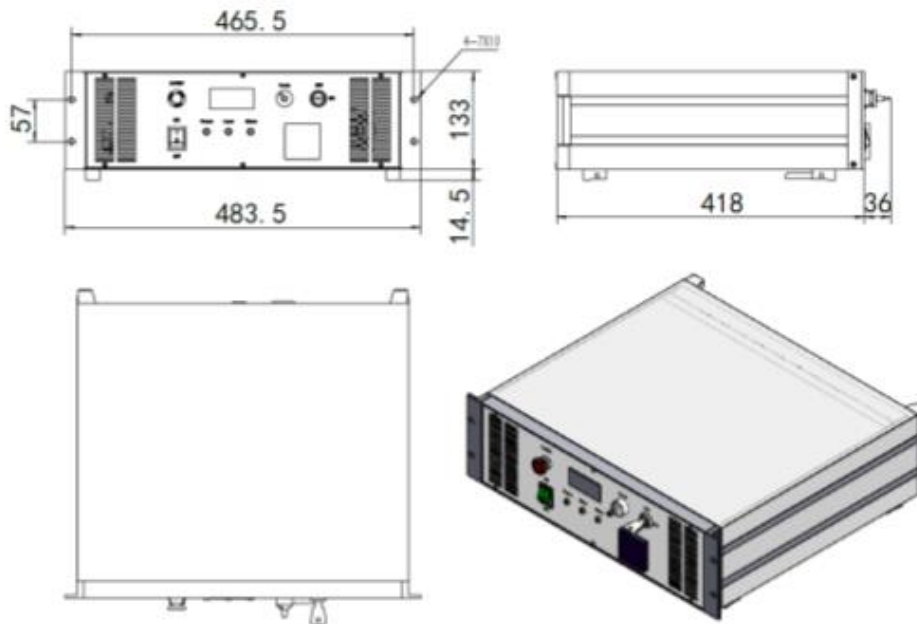


Outline Dimensions (unit: mm)

Laser Head



Power Supply



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