



MSL-R series (701-2000nm)

SINGLE LONGITUDINAL MODE LASER

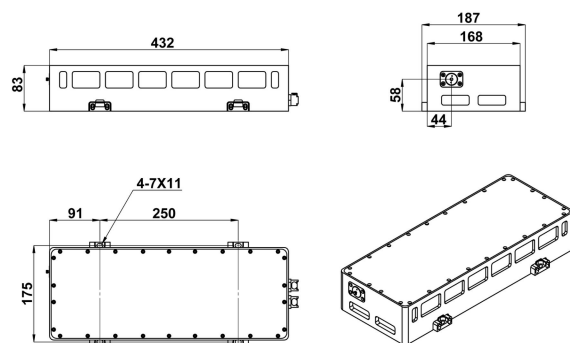
All-solid-state-single-longitudinal mode laser features ultra-compact design, easy operation, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instruments, and physics experiments, etc.



SPECIFICATIONS

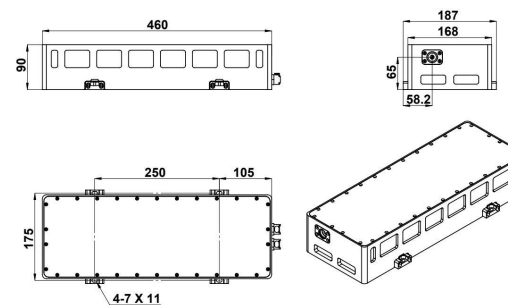
Wavelength (nm)	721±1	1064±1	1342±1
Output power (mW)	300mW-1W	1W-10W	500mW-5W
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%		
Transverse mode	TEM ₀₀		
Longitudinal mode	Single		
Operating mode	CW		
Noise of amplitude (rms, 20Hz-20MHz)	<0.5%		
M ²	<1.3		
Beam diameter at the aperture (1/e ² , mm)	~1.5		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1, Vertical (Horizontal optional)		
Spectral line width (nm)	<5MHz		
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50		
Pointing stability over temperature (μrad/°C)	<8		
Beam height from base plate (mm)	65	58	
Coherent length (m)	>50		
Warm-up time (minutes)	<15		
Cooled method (water cooled)	WCH-580		
Operating temperature (°C)	20-30		
Power supply (90-264VAC)	PSU-W-FDA		
Expected lifetime (hours)	>10000		

LASER HEAD (MSL-R-1064/1342)



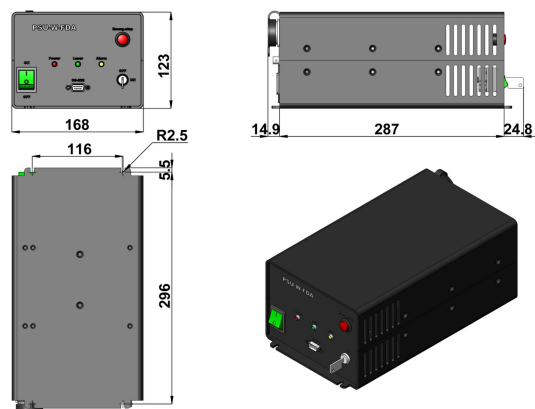
432(L) × 187(W) × 83(H) mm³, 11.5 kg

LASER HEAD (MSL-R-721)



460(L) × 187(W) × 90(H) mm³, 12 kg

POWER SUPPLY



326.7 (L) × 168(W) × 123(H) mm³, 4.0 kg

Water Chiller (WCH-580)



253.2(L) × 363.8(W) × 240.6(H) mm³, 11.0 kg

1 Any power level can be selected in this range.

2 Fixed output power.