



MSL-R series

SINGLE LONGITUDINAL MODE LASER

All solid state single longitudinal mode laser is made features of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.



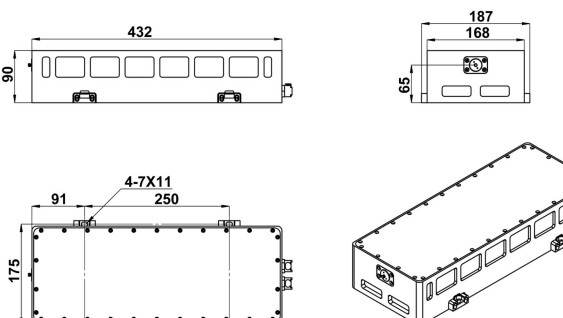
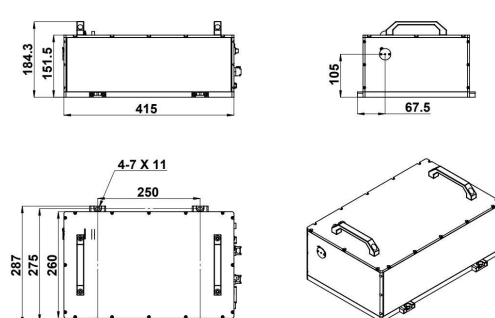
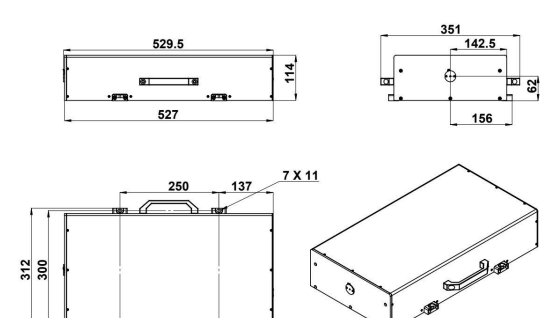
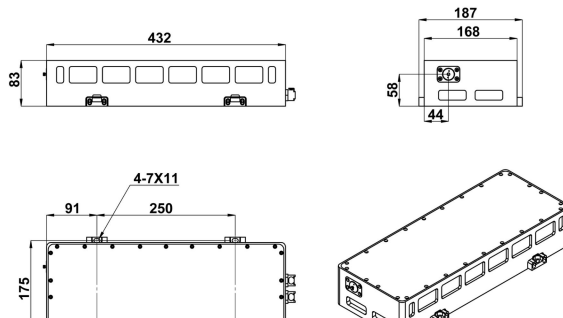
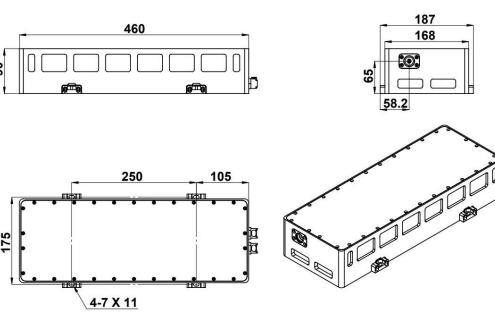
SPECIFICATIONS

Wavelength (nm)	320±1	349±1	355±1	360±1	457±1	522±1	532±1	
Output power (mW)	30-300	10-300	10-100	80-300	350-3500	1-500	1000-5000	5000-10000
Power stability (rms, over 4 hours)	<3%, <2%, <1%						<1%, <0.5%	
Transverse mode	TEM ₀₀							
Longitudinal mode	Single							
Operating mode	CW							
Noise of amplitude (rms, 20Hz~20MHz)	<1%, <0.5%							
M ² factor	<1.2					<1.3	<1.2	
Beam diameter at the aperture (1/e ² , mm)	<1.5					~1.5	<2.2	
Beam divergence, full angle (mrad)	<1.0	<1.5	<1.0	<0.5	<1.5	<0.5		
Polarization Ratio	>100:1				>100:1, Horizontal (Vertical Optional)	>100:1, Vertical (Horizontal Optional)	>100:1, Horizontal (Vertical Optional)	
Spectral line width (nm)	<0.00001							
Pointing stability after warm-up (mrad)	<0.05							
Beam height from base plate (mm)	105	65	105	62	65			
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	/	PSU-W-FDA				
Expected lifetime (hours)	10000							
Warranty	1 year							

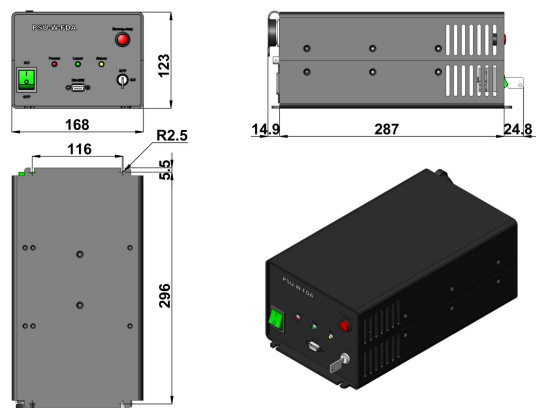


SPECIFICATIONS

Wavelength (nm)	607±1	639±1	698±1	721±1	1064±1	1342±1
Output power (mW)	200-1000	750-3000	300-1000	350-1000	1000-10000	500-5000
Power stability (rms, over 4 hours)	<3%, <2%, <1%					
Transverse mode	TEM ₀₀					
Longitudinal mode	Single					
Operating mode	CW					
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%					
M ² factor	<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)	<0.00001					
Pointing stability after warm-up (mrad)	<0.05					
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					
Warranty	1 year					

LASER HEAD(355/532)	LASER HEAD(320/ 360)	LASER HEAD(457)
 432(L) × 187(W) × 90(H) mm³, 11.5 kg	 415(L) × 287(W) × 172.8(H) mm³	 529.5(L) × 312(W) × 114(H) mm³, 29.35 kg
LASER HEAD(1064/1342)	LASER HEAD(522/607/639/ 698/721)	
 432(L) × 187(W) × 83(H) mm³, 11.5 kg	 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