



MRL-U-xxx-SF series

LD PUMPED ALL-SOLID-STATE RED LASER

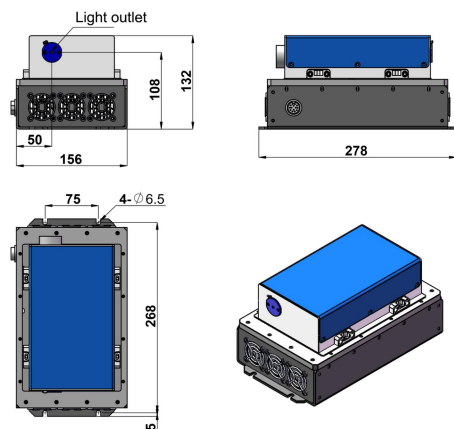
All solid-state CW mode laser is features with of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.



SPECIFICATIONS

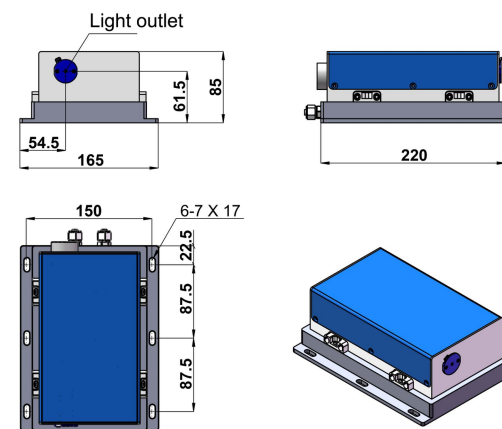
Wavelength (nm)	607±1	639±1	698±1	721±1
Operating mode	CW			
Output power (mW) ¹	800-1800	1800-3000	1000-1800	1000-2000
Power stability (rms, 4 hours±3℃)	<2%, <1%			
Transverse mode	TEM ₀₀			
M ²	<1.2		<1.5	
Beam diameter at the aperture (1/e ² , mm)	<1.2			
Beam divergence, full angle (mrad)	<1.5			
Polarization ratio	>100:1, Horizontal (Vertical optional)			
Cooled method	Air Cooled/ Water Cooled			
Warm-up time (minutes)	<10			
Beam height from base plate (mm)	108@Air Cooled/ 61.5@Water Cooled			
Power supply (100-240VAC)	PSU-SF			
Expected lifetime (hours)	>10000			

LASER HEAD (Air Cooled)²



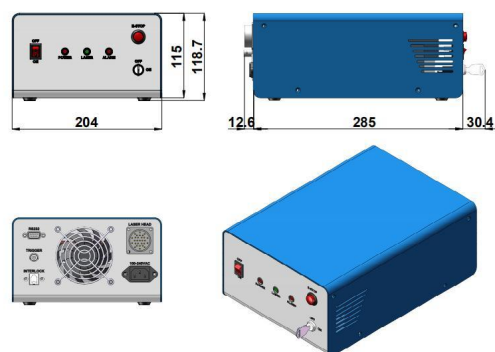
278(L)×156(W) ×132(H) mm³, 7kg

LASER HEAD (Water Cooled)



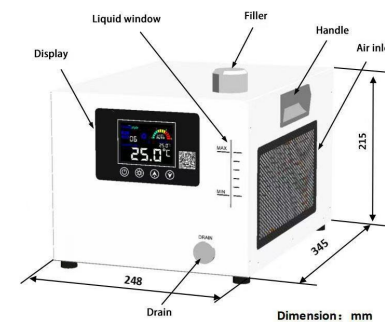
220(L)×165(W) ×85(H) mm³, 6kg

POWER SUPPLY³



328 (L) ×204(W) ×118.7(H) mm³, 3.4kg

WATER CHILLER (WCH-580)



345 (L) ×248 (W) ×215(H) mm³, 10.5 kg

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power.