



MRL-FN-xxx-H 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.

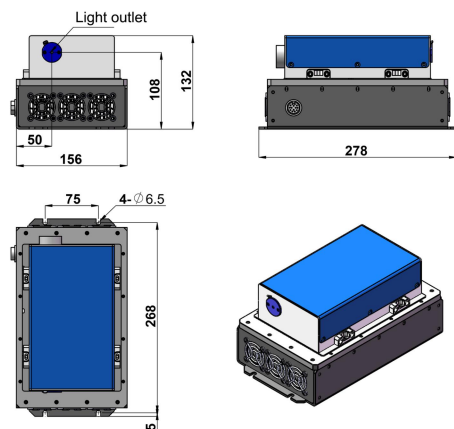


SPECIFICATIONS

Wavelength (nm)	607±1	639±1	698±1	721±1	729±1
Operating mode	CW				
Output power (mW) ¹	800-1800	1800-3000	1000-1800	1000-2000	500-1000
Power stability (rms, 4 hours±3°C)	<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				

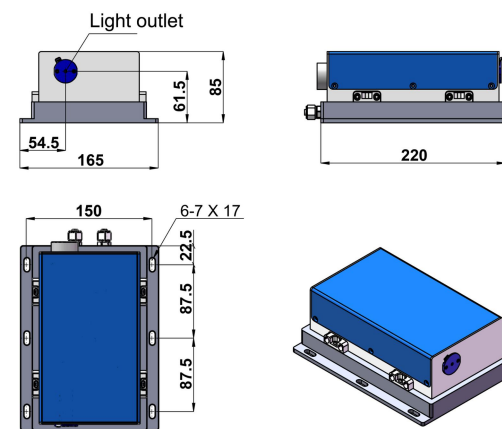


LASER HEAD (Air Cooled)²



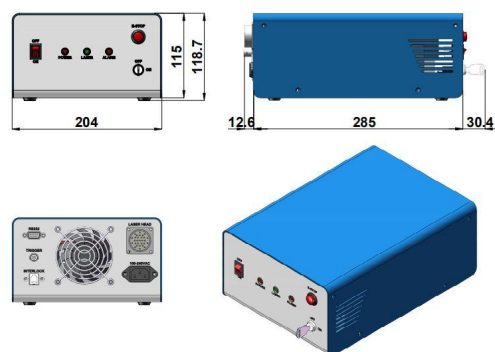
278(L)×156(W)×132(H) mm³, 7kg

LASER HEAD (Water Cooled)



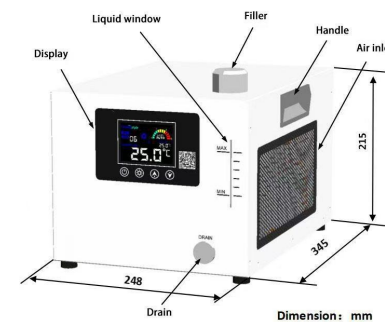
220(L)×165(W)×85(H) mm³, 6kg

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.