



MLL-DP-xxx-B series

LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

Low noise all solid state laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

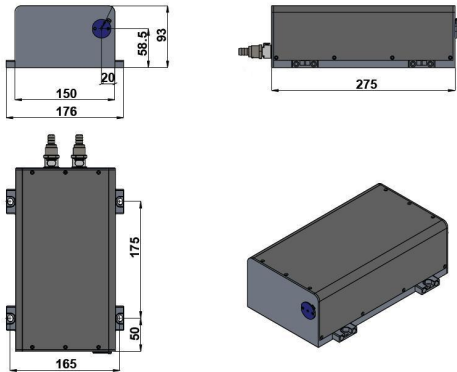
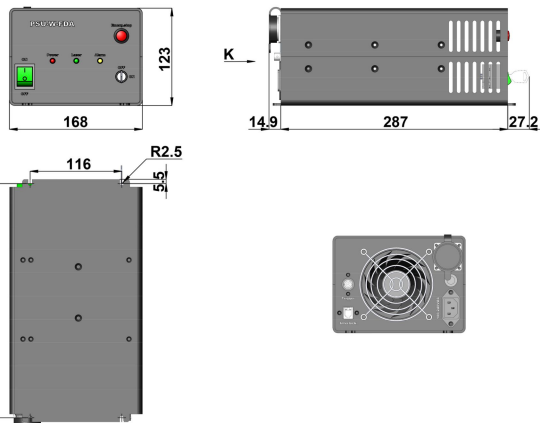
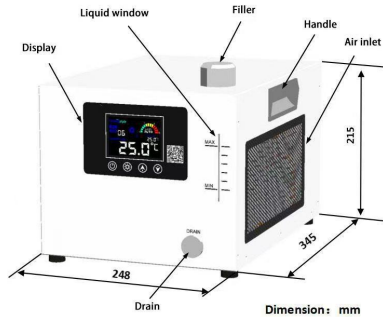


SPECIFICATIONS

Central wavelength (nm)	639±1
Operating mode	CW
Output power (mW) ¹	2000-8000
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%
Spectral line width (nm)	<0.003, <0.01, <0.1
Noise of amplitude (rms, 20Hz-20MHz)	<1%
Transverse mode	Near TEM ₀₀ (TEM ₀₀ optional)
Beam diameter at the aperture (1/e ² , mm)	~2.0
Beam divergence, full angle (mrad)	<3.0
Warm-up time (minutes)	<10
Polarization ratio	>100:1, Horizontal (Vertical optional)
Beam height from base plate (mm)	58.5
Cooled method (Water Cooled)	WCH-580
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-W-FDA
Expected lifetime (hours)	>10000

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LASER HEAD	POWER SUPPLY ²	WATER CHILLER(WCH-580)
 275(L)×176(W)×93(H) mm³, 7.5kg	 329.1(L) ×168(W) ×123(H) mm³, 4.1 kg	 345 (L) ×248 (W) ×215(H) mm³, 10.5kg

1 Any power level can be selected in this range.

2 Fixed output power.