



MLL-XS series

LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

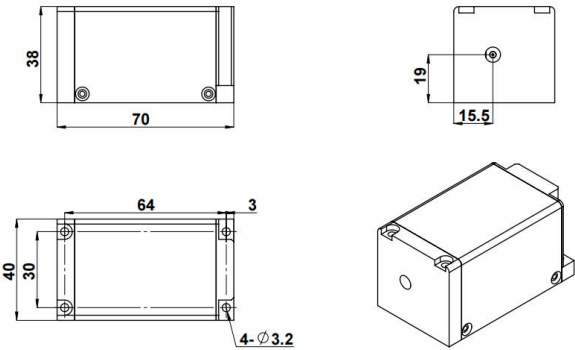
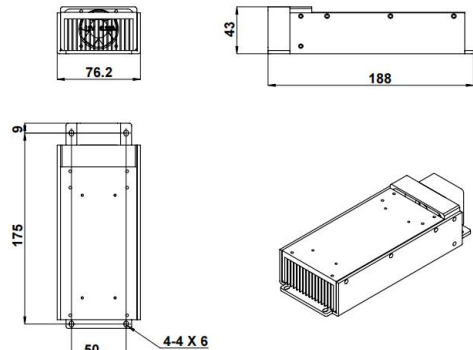
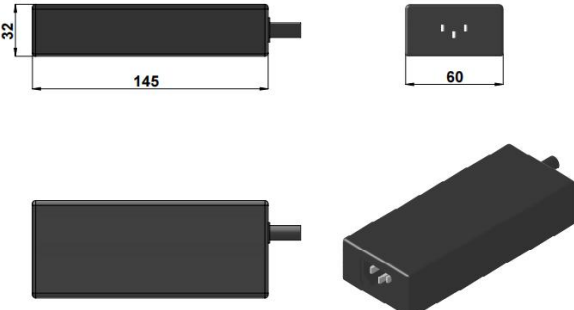
The all-solid-state laser is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost -effectiveness and easy operating, which is widely used in flow cytometry, scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, DNA sequencing, cell sorting, holography, laser printing, chip inspection, etc.

SPECIFICATIONS



Model	MLL-XS-561	MLL-XS-1064
Wavelength (nm)	561±1	1064±1
Operating mode	CW	
Output power (mW) ¹	1-80	1-1000
Power stability (rms, 4 hours ±3°C)	<2%, <1%	
Spectral line width (nm)	<0.1	
Transverse mode	TEM ₀₀	
Noise of amplitude (rms, 20Hz-20MHz)	<1%, (<0.5%, 0.25% optional)	<1%, (<0.5% optional)
M ²	<1.2	<1.5
Beam diameter at the aperture (1/e ² , mm)	~0.7	~1.5
Beam divergence (mrad)	<1.0	<1.2
Polarization ratio	>100:1, (Vertical ± 5 degree)	>100:1, (Horizontal ± 5 degree)
Warm-up time (minutes)	<5	
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50	
Beam height from base plate (mm)	19	
Operating temperature (°C)	10-35	
Operating voltage (VDC)	12V/6.67A	
Expected lifetime (hours)	>10000	



LASER HEAD ²	HEATSINK (optional TC-04-FS)	POWER SUPPLY (100/240VAC) optional
 70(L)×40(W)×38(H) mm³, 0.2 kg	 188(L)×76.2(W)×43(H) mm³, 0.65 kg	 145(L)×60(W)×32(H) mm³, 0.45 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.