



MLL-FN series (501-550nm)



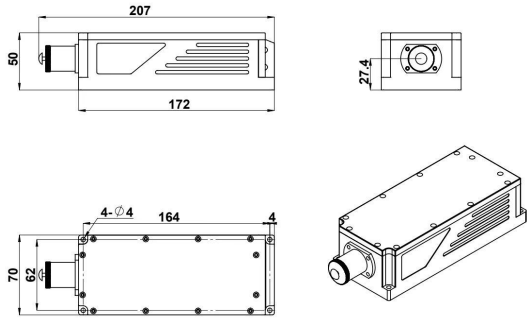
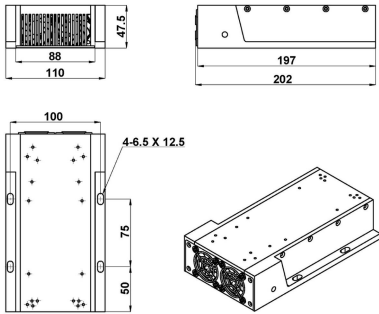
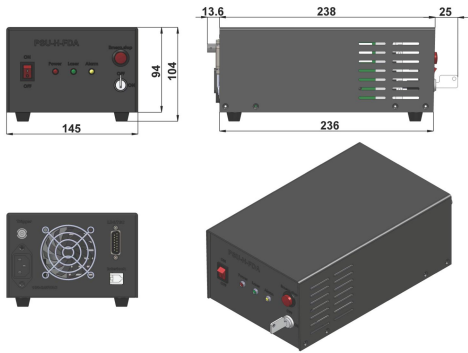
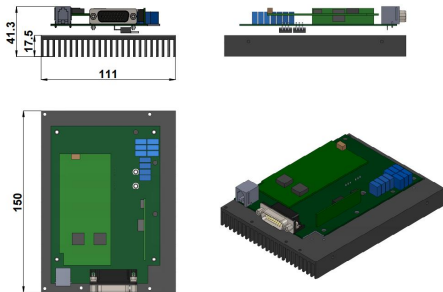
LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

The low-noise, all-solid-state laser features high output power stability, a good beam profile, an ultra-compact design, a long lifetime, and easy operation, it is widely used in collimation, laser medical treatment, scientific experiments, optical instrument, and other fields.



SPECIFICATIONS

Wavelength (nm)	522±1	523.5±1	526.5±1	532±1	543±1	543.5±1	550±1															
Operating mode	CW																					
Output power (mW) ¹	1-400	1-300	300-600	1-200	200-400	1000-1500	1500-2500	1-200	1-100	1-80	80-500											
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%				<2%, <1%, (<0.5% optional)		<3%, <2%, <1%															
Spectral line width (nm)	<0.1, (<0.003 optional @ 1-200mW)				<0.1, <0.003		<0.1	<0.1, <0.003		<0.1												
Transverse mode	TEM ₀₀																					
Noise of amplitude (rms, 20Hz-20MHz)	<1%				<1%, <0.5%		<1%															
M ²	<1.2		<1.5		<1.2, <1.1		<1.2			<1.5												
Beam diameter at the aperture (1/e ² , mm)	<1.0	<1.2	<1.5		<2.0		<1.5	<2.0	<1.0	<2.0												
Beam divergence, full angle (mrad)	<1.5																					
Polarization ratio	>100:1, Vertical (Horizontal optional)				>100:1, Horizontal (Vertical optional)		>100:1, Vertical (Horizontal optional)															
Warm-up time (minutes)	<5																					
Pointing stability (urad) (over 2 hours after warm-up and ±3°C)	<50																					
Pointing stability over temperature (urad/°C)	<8																					
Beam height from base plate (mm)	27.4																					
Operating temperature (°C)	10-35																					
Power supply (100-240VAC)	PSU-H-FDA																					
Operating voltage (VDC)	PSU-SR-OEM (12V/25A)																					
Expected lifetime (hours)	>10000																					

LASER HEAD ²	HEATSINK (optional TC-02-FS)
 207(L)×70(W)×50(H) mm³, 1.5 kg	 202(L)×110(W)×47.5(H) mm³, 1.25 kg
POWER SUPPLY (PSU-H-FDA) ³	POWER SUPPLY (PSU-SR-OEM) ³
 276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg	 150(L) ×111(W) ×41.3(H) mm³, 0.8kg

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.