



MLL-FN series (501-550nm)



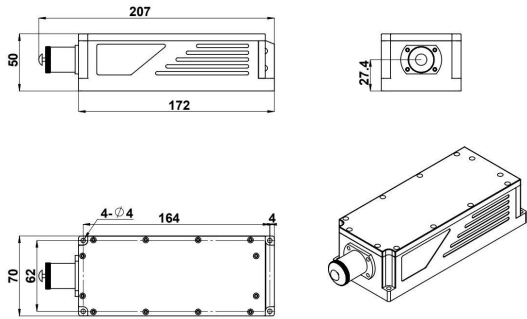
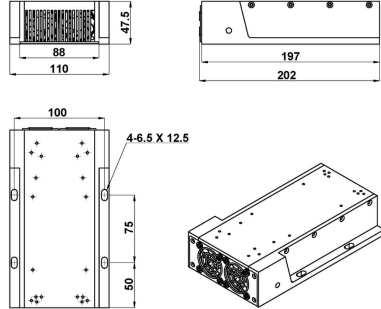
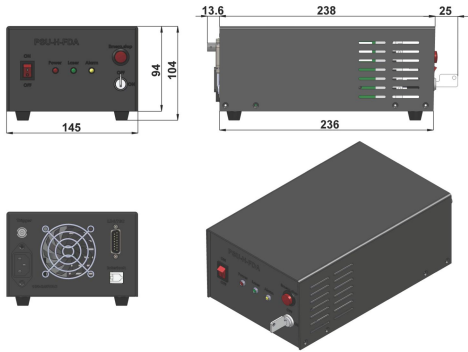
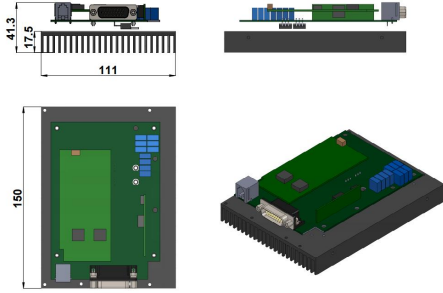
LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

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, (<0.003optional@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.