



MLL-FN series (400-500nm)



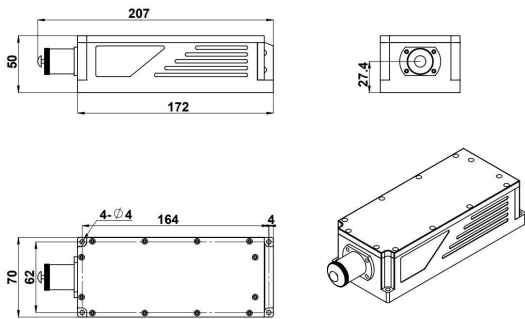
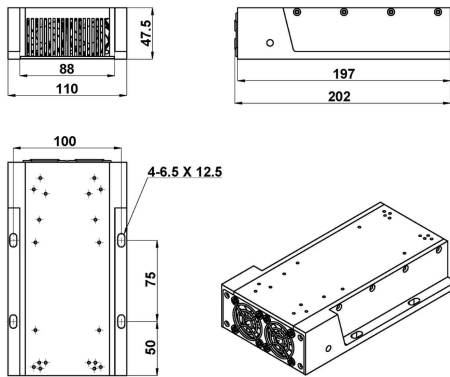
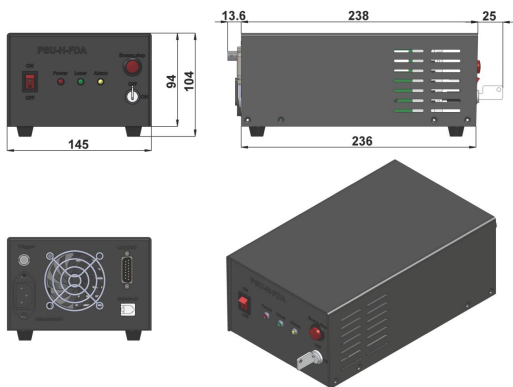
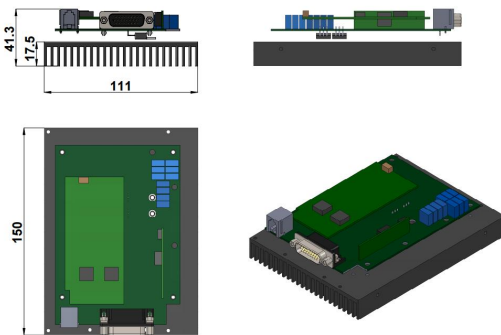
LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

This 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 instruments, and other fields.



SPECIFICATIONS

Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW) ¹	100-300	300-400
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%	
Spectral line width (nm)	<0.1, (<0.003 optional)	<0.1
Transverse mode	TEM ₀₀	
Noise of amplitude (rms, 20Hz-20MHz)	<1%	
M ²	<1.2	
Beam diameter at the aperture (1/e ² , mm)	<1.2	
Beam divergence (mrad)	<1.0	
Polarization ratio	>100:1, Vertical (Horizontal optional)	
Warm-up time (minutes)	<5	
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50	
Pointing stability over temperature (μrad/°C)	<8	
Beam height from base plate (mm)	27.4	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-H-FDA	
Power supply (12VDC)	PSU-SR-OEM (12V/25A)	
Expected lifetime (hours)	>10000	

LASER HEAD²  207(L)×70(W)×50(H) mm³, 1.5kg	HEATSINK (optional TC-02-FS)  202(L)×110(W)×47.5(H) mm³, 1.25kg
POWER SUPPLY (PSU-H-FDA)³  276.6(L) ×145(W) ×103.6(H) mm³, 2.3kg	DRIVER (PSU-SR-OEM)³  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.