



MLL-FN series (701-800nm)



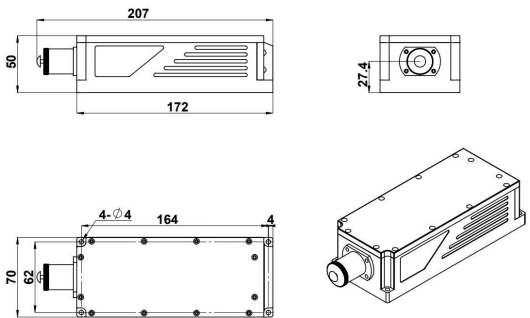
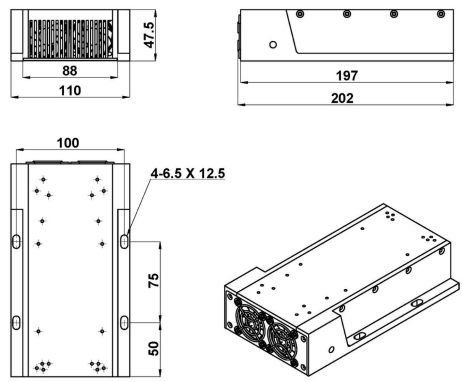
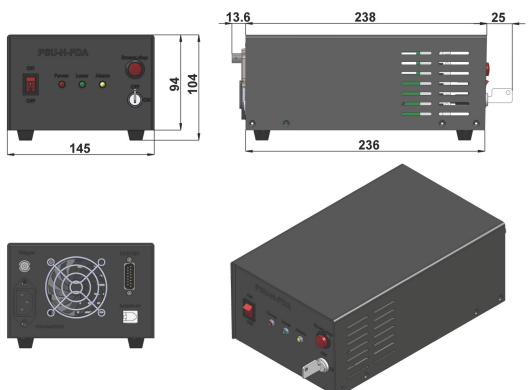
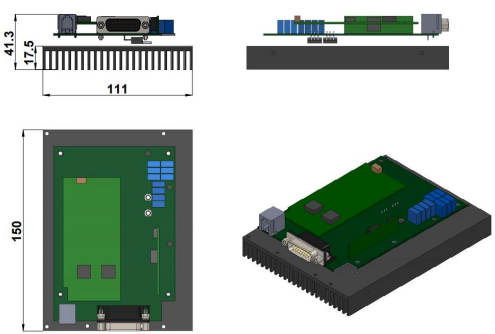
LD PUMPED ALL-SOLID-STATE LOW NOISE LASER

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)	721±1
Operating mode	CW
Output power (mW) ¹	1-800
Power stability (rms, 4 hours ±3°C)	<2%, <1%, <0.5%
Spectral line width (nm)	<0.1, (<0.003 optional@1-300)
Transverse mode	TEM ₀₀
Noise of amplitude (rms, 20Hz-20MHz)	<1%, <0.5%
M ²	<1.2
Beam diameter at the aperture (1/e ² , mm)	<2.0
Beam divergence, full angle (mrad)	<1.2
Polarization Ratio	>100:1, Horizontal (Vertical 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 HEAD²  207(L)×70(W)×50(H) mm³, 1.5 kg	HEATSINK (optional TC-02-FS)  202(L)×110(W)×47.5(H) mm³, 1.25 kg
POWER SUPPLY (PSU-H-FDA)³  276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg	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.