



MLL-H series (900-1050nm)



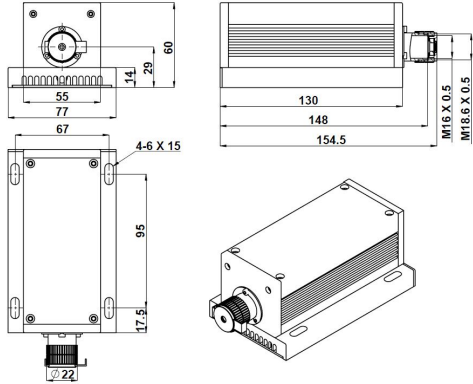
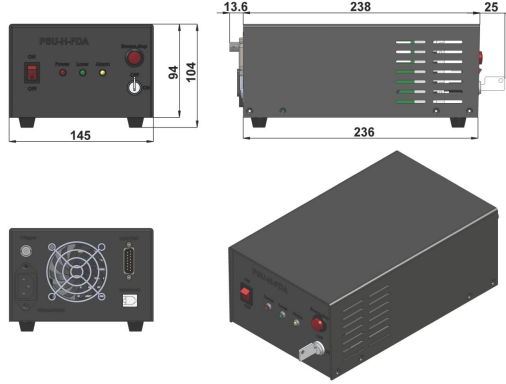
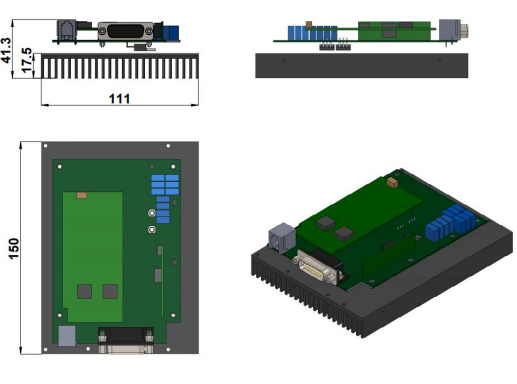
LOW NOISE INFRARED LASER

The all-solid-state, low-noise infrared laser features an ultra-compact design, a long lifetime, low cost, and easy operation. It is widely used in scientific experiments, optical instruments, sensors, measurement, communication, spectral analysis, and other fields.



SPECIFICATIONS

Wavelength (nm)	914±1	946±1	1040±1	1047±1
Operating mode	CW			
Output power (mW) ¹	400-800	300-800	1-100	1-1000
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%		<3%, <2%	<3%, <2%, <1%
Spectral line width (nm)	<0.1			
Transverse mode	TEM ₀₀			
Noise of amplitude (rms, 20Hz-20MHz)	<1%			
M ²	<1.5			
Beam diameter at the aperture (1/e ² , mm)	~1.5			
Beam divergence (mrad)	<2.0			
Polarization ratio	/			>100:1, Horizontal (Vertical optional)
Warm-up time (minutes)	<5			
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50			
Beam height from base plate (mm)	29			
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 HEAD	POWER SUPPLY (PSU-H-FDA) ²	DRIVER (PSU-SR-OEM) ²
 197(L)×70(W)×50(H)mm³, 1.5kg	 276.6(L) ×145(W) ×103.6(H) mm³, 2.3kg	 150(L) ×111(W) ×41.3(H) mm³, 0.8kg

1 Any power level can be selected in this range.

2 Fixed output power.