



MIL-H series (1051-1200nm)



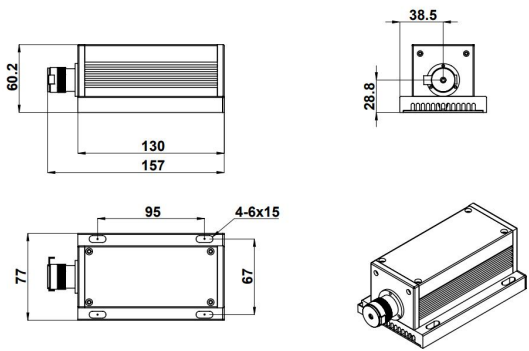
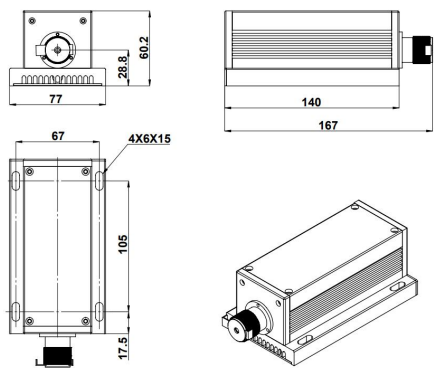
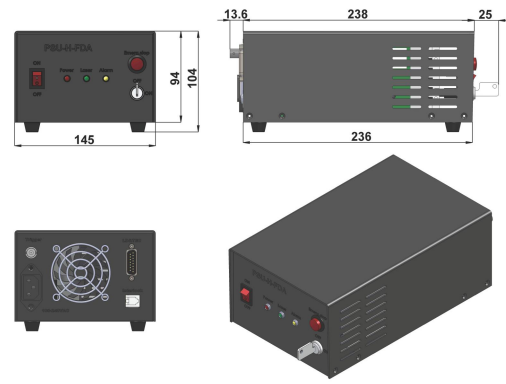
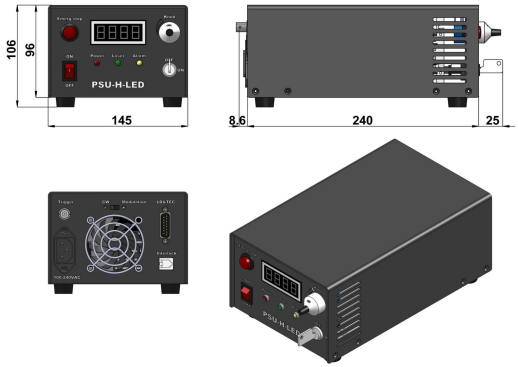
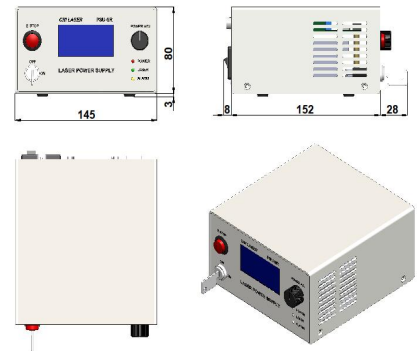
LD PUMPED ALL-SOLID-STATE LASER

The all-solid-state infrared laser is characterized by its ultra-compact design, long lifetime, and ease of operation. It is commonly used in scientific experiments, optical instrumentation, optical sensing, measurement, communication, and spectral analysis.



SPECIFICATIONS

Wavelength (nm)	1053±1	1064±1	1112±3		1122±3	1177±2
Operating mode	CW					
Output power (mW) ¹	1-1500	1500-3000	1-300	300-500	1-1000	1-400
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%			<5%, <3%, <2%		<3%, <2%, <1%
Transverse mode	TEM ₀₀					
M ²	<1.5					
Beam diameter at the aperture (1/e ² , mm)	~1.2					
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					
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional					
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-SR					
Expected lifetime (hours)	>10000					

LASER HEAD	LASER HEAD (Power stability <1%)	POWER SUPPLY (PSU-H-FDA) ²
 157(L)×77(W)×60.2(H) mm³, 0.9kg	 167(L)×77(W)×60.2(H) mm³, 1.0kg	 276.6(L)×145(W)×103.6(H) mm³, 2.3kg
POWER SUPPLY (PSU-H-LED) ³	POWER SUPPLY (PSU-SR) ³	
 273.6 (L)×145(W)×106 (H) mm³, 2.3kg	 188(L)×145(W)×83(H) mm³, 1.2kg	

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%; RS232 control optional.