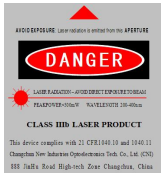
MIL-H series (1051-1200nm)

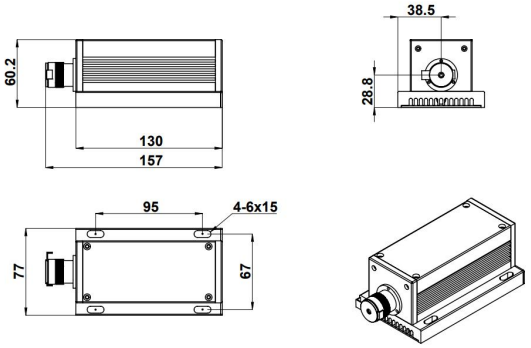
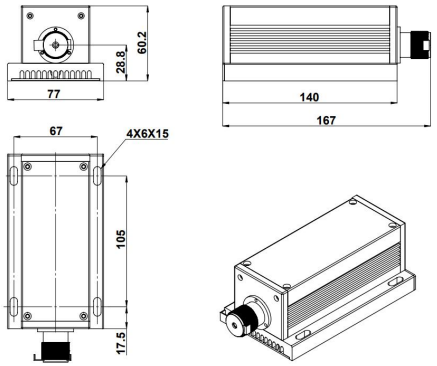
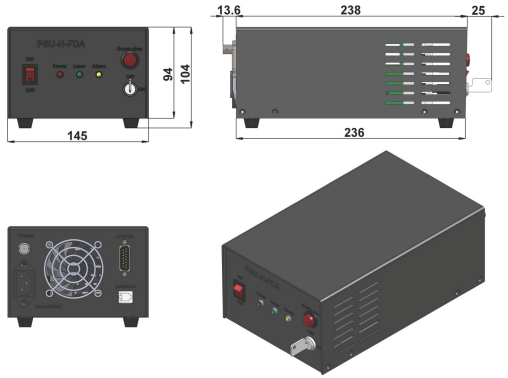
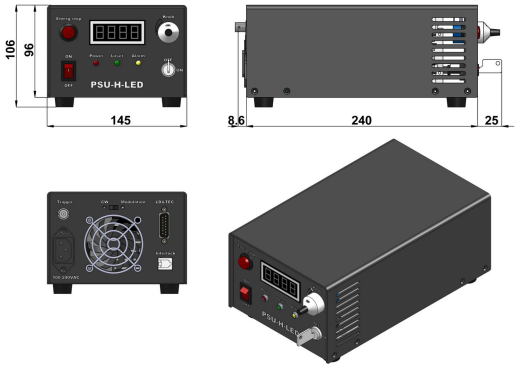
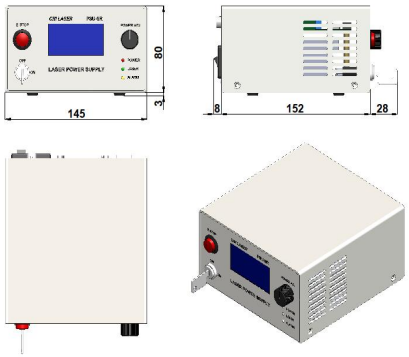
LD PUMPED ALL-SOLID-STATE LASER

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.