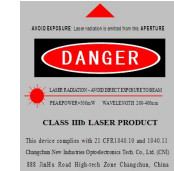


MIL-F series



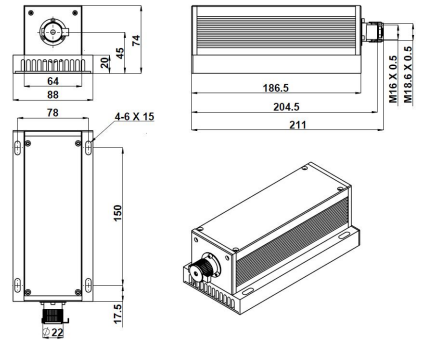
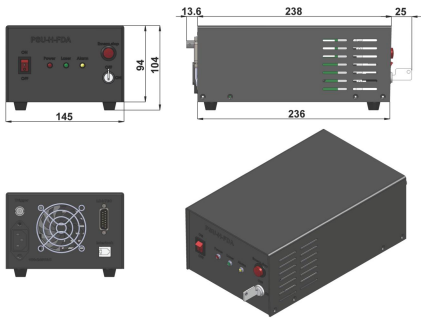
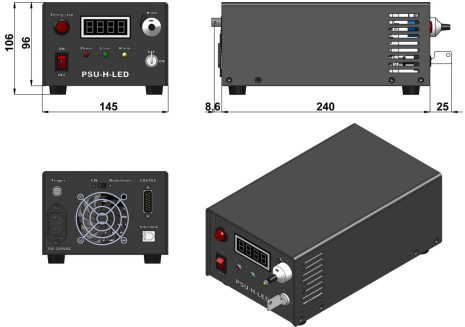
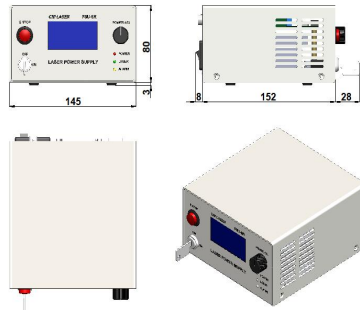
LD PUMPED ALL-SOLID-STATE LASER

The all-solid-state laser is characterized by its ultra-compact design, long lifetime, and user-friendly operation. It is employed in a wide range of applications, including fluorescence sensors, Raman spectroscopy, laser printing, holography, laser display, underwater communication, biomedicine, and laser light shows.



SPECIFICATIONS

Wavelength (nm)	1030±2	1073±1		1105±1
Operating mode	CW			
Output power (mW) ¹	1-600	1-800	800-1500	1-500
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%		<5%, <3%	<5%, <3%, <2%
Transverse mode	TEM ₀₀			
M ²	<1.5	<2.0		
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)	45			
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	POWER SUPPLY (PSU-H-FDA) ²
 211(L)×88(W) ×74(H) mm³, 1.6kg	 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.