



MIL-S series



LD PUMPED ALL-SOLID-STATE LASER

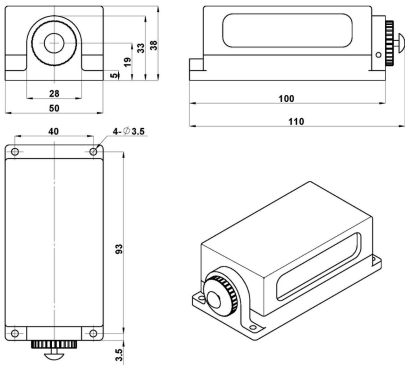
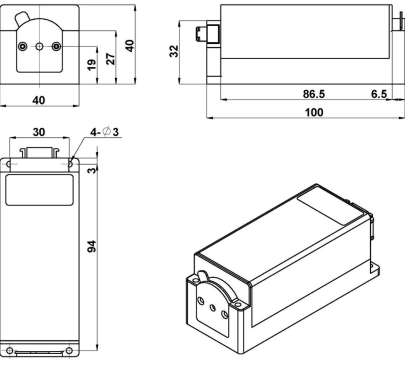
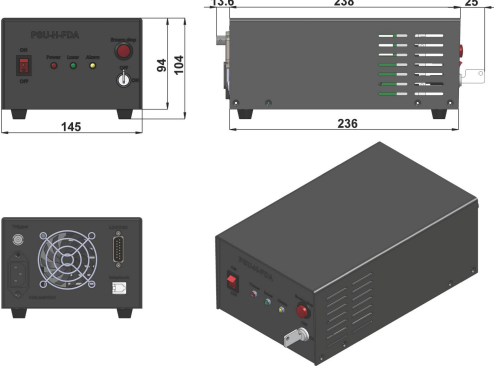
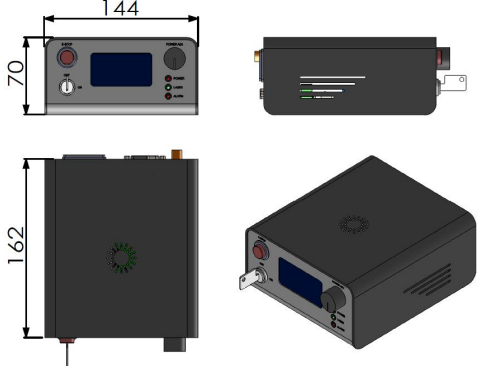
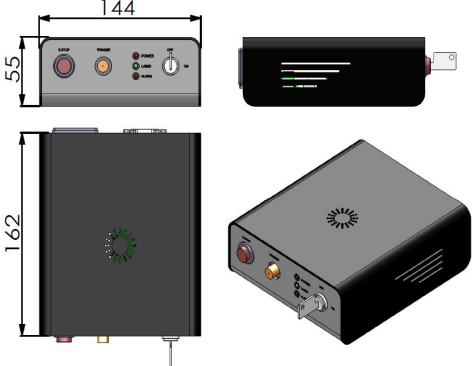
All solid state laser is made features of high output power stability, good beam profile, ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost -effectiveness and easy operating, working under the pressure of 0.02kPa, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Model	MIL-S-1064-A (Harsh condition)		MIL-S-1064-B (Normal condition)	
Wavelength (nm)	1064±1			
Operating mode	CW			
Output power (mW)	1-400	400-1500	1-400	400-1500
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%, <1%	<3%, <2%, <1%	<3%, <2%, <1%
Transverse mode	TEM ₀₀			
M ² factor	<1.2,<1.1	<1.5	<1.2,<1.1	<1.5
Beam diameter at the aperture(1/e ² , mm)	<1.2			
Beam divergence, full angle (mrad)	<1.7			
Polarization ratio	>100:1, Horizontal (Vertical Optional)			
Pointing stability after warm-up (mrad)	<0.05			
Pointing stability Over Temp. (μrad/°C)	<8			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	19			
Power Consumption(W)	<40			
Shock Tolerance(6ms)	7g laterally,15g vertically			
IP Rating	IP67		IP65	
Power supply(90-264VAC)	PSU-H-FDA		PSU-A-D/ PSU-A-F	
Operating temperature (°C)	0-60		10-35	
Max. Heat Dissipation of Head(W)	10W@50°C		4W@25°C	
Modulation optional	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option			
Expected lifetime (hours)	10000			
Warranty	1 year			

Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD (Harsh condition)	LASER HEAD (Normal condition)	POWER SUPPLY (PSU-H-FDA)
 110(L)×50(W)×38(H) mm³, 0.6 kg	 100 (L)×40 (W)×40(H) mm³, 0.36kg	 276.6(L)×145(W)×103.6(H) mm³, 2.3 kg
POWER SUPPLY (PSU-A-D)	POWER SUPPLY (PSU-A-F)	
 162 (L)×144(W)×70(H) mm³, 0.6kg	 162(L)×144(W)×55(H) mm³, 0.5kg	