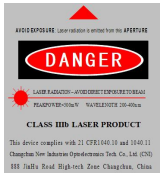
MSL-FN series (301-400nm)



SINGLE LONGITUDINAL MODE LASER

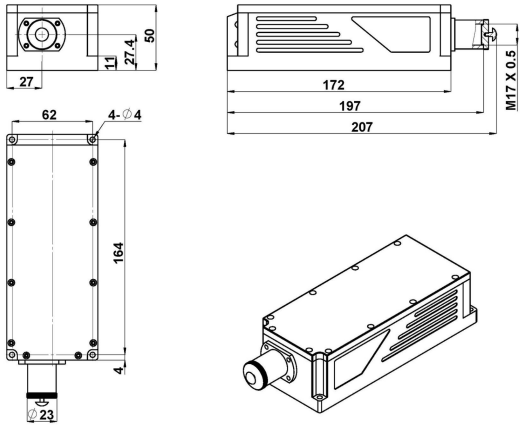
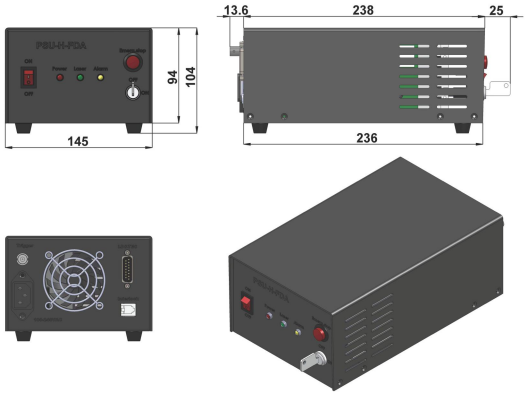
All solid state single longitudinal mode laser is made features of ultra compact, long lifetime, and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.





SPECIFICATIONS

Wavelength (nm)	320±1	335±1	349±1	355±1	360±1
Output power (mW)[1]	1-30	1-10	1-10	1-10	1-80
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%			<5%, <3%, (<2% optional)	<3%, <2%,<1%
Transverse mode	TEM_{00}				
Longitudinal mode	Single				
Operating mode	CW				
Spectral line width (nm)	<1MHz				
Coherent length (m)	>50				
Noise of amplitude (rms, 20Hz-20MHz)	<1%, <0.5%				
M^2	<1.5				
Beam diameter at the aperture ($1/e^2$, mm)	<1.0				
Beam divergence, full angle (mrad)	<1.2				
Polarization ratio	>100:1, Vertical (Horizontal optional)				
Pointing stability (urad) (over 2 hours after warm-up and±3°C)	<50				
Pointing stability Over Temperature(urad/°C)	<8				
Frequency shift (MHz)(Over±2°C and 8hrs) (optional)	<±200				
Frequency shift with Temp (MHz/°C) (optional)	<200				
Beam height from base plate (mm)	27.4				
Warm-up time (minutes)	<10				
Laser head consumption(W)	15 (typical) , <25 (40°C)				
Max. Laser Head Base plate Temp (°C)	50				
Operating Temperature (°C)	10-35				
Power supply (100-240VAC)	PSU-H-FDA				
Expected lifetime (hours)	>10000				

LASER HEAD[2]	POWER SUPPLY[3]
	
197(L)×70(W)×50(H) mm³, 1.5 kg	**276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg**

1 Any power level can be selected in this range.

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

3 Fixed output power.