

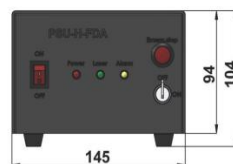
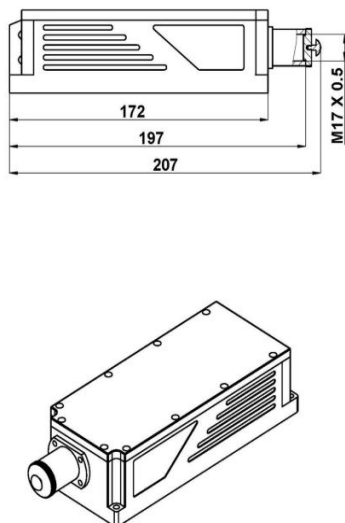
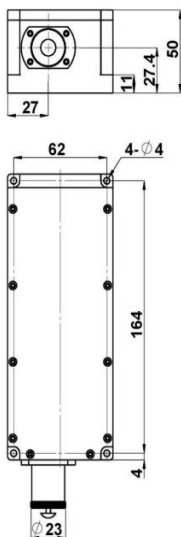
589nm 1-200mW SINGLE LONGITUDINAL MODE LASER

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



Specifications

型号 Model No.	FU-MSLFN-589200
波长 Wavelength (nm)	589±1
输出功率 Output Power (mW)	1~200
功率稳定性 Power stability(rms, over 4 hours)	<3%, <2%
横向模式 Transverse mode	TEM00
纵向模式 Longitudinal mode	Single
工作方式 Operating mode	CW
光谱线宽 Spectral line width(nm)	<0.00001
相干长度 Coherent length(m)	>50
振幅噪声 Noise of amplitude(rms, 1Hz~20MHz)	<1%, 0.5%(可选)
光束质量因子 M ² factor	<1.2
孔径处光束直径 Beam diameter at the aperture(1/e ² ,mm)	<2.5
光束发散角 Beam divergence, Full Angle(mrad)	<1.2
偏振比 Polarization Ratio	>100:1, Horizontal (Vertical for optional)
预热时间 Warm-up time(minutes)	<5
预热后指向稳定性 Pointing stability after warm up(mrad)	<0.05
超过8小时的频率偏移 Frequency shift over 8 hours(MHz)(Optional)	<±200
随温度的频率偏移 Frequency shift with Temp.(MHz/°C)(Optional)	<200
光束高度 Beam height from base plate(mm)	27.4
激光头功耗 Laser head consumption(W)	15(Typical), <25(40°C)
最大激光头基板温度 Max laser head base plate Temp(°C)	50
工作温度 Operating temperature(°C)	10~35
供电电压 Power supply(90-264VAC)	FU-PSU-H-FDA
保修期 Warranty Time	1 year
激光头尺寸 Laser head dimension(mm) / Weight	197*70*50(L*W*H) / 1.5kg
电源尺寸 Power supply dimension(mm) / Weight	276.6*145*103.6(L*W*H) / 2.3kg



197(L)×70(W)×50(H) mm³, 1.5 kg

276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg