



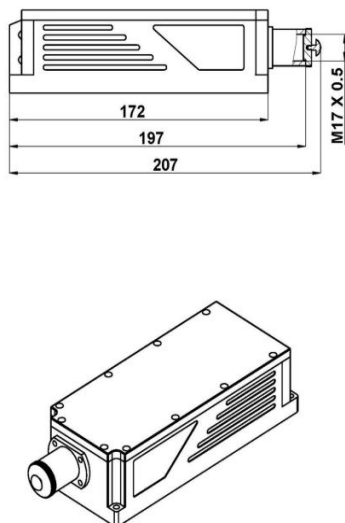
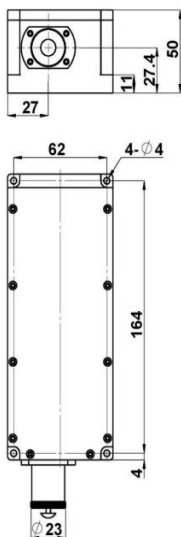
## 526.5nm 1-100mW SINGLE LONGITUDINAL MODE LASER

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-526.5100                         |
| 波长Wavelength (nm)                                          | 526.5±1                                   |
| 输出功率Output Power (mW)                                      | 1~100                                     |
| 功率稳定性Power stability(rms, over 4 hours)                    | <3%, <2%, <1%                             |
| 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 <sup>2</sup> factor                                | <1.2                                      |
| 孔径处光束直径Beam diameter at the aperture(1/e <sup>2</sup> ,mm) | <1.5                                      |
| 光束发散角Beam divergence, Full Angle(mrad)                     | <1.2                                      |
| 偏振比Polarization Ratio                                      | >100:1, Vertical(Horizontal 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) mm<sup>3</sup>, 1.5 kg276.6(L) ×145(W) ×103.6(H) mm<sup>3</sup>, 2.3 kg