

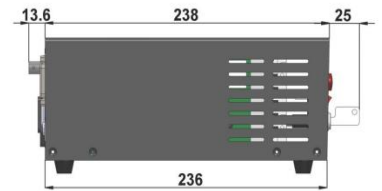
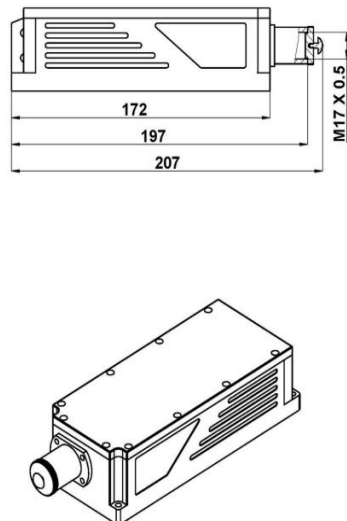
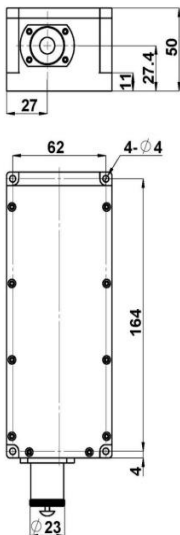
## 320nm 1-30mW SINGLE LONGITUDINAL MODE LASER

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-32030                          |
| 波长 Wavelength (nm)                                          | 320±1                                   |
| 输出功率 Output Power (mW)                                      | 1~30                                    |
| 功率稳定性 Power stability(rms, over 4 hours)                    | <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 <sup>2</sup> factor                                | <1.5                                    |
| 孔径处光束直径 Beam diameter at the aperture(1/e <sup>2</sup> ,mm) | <1.2                                    |
| 光束发散角 Beam divergence, Full Angle(mrad)                     | <1.5                                    |
| 偏振比 Polarization Ratio                                      | >50:1,Horizontal(Vertical for optional) |
| 预热时间 Warm-up time(minutes)                                  | <10                                     |
| 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 kg

276.6(L) ×145(W) ×103.6(H) mm<sup>3</sup>, 2.3 kg