

TUN-408~412/1~30mW

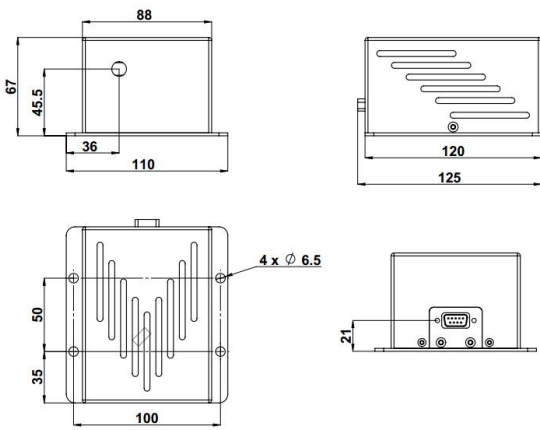
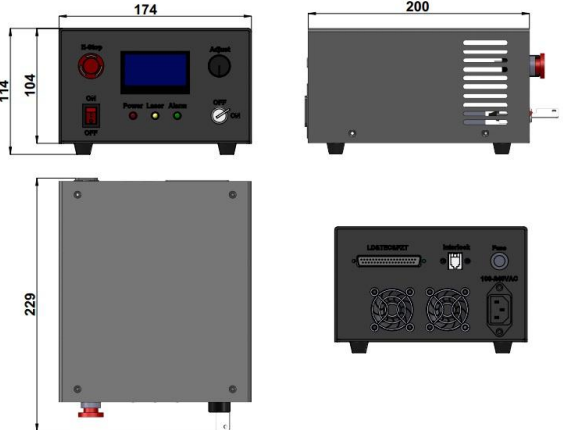
### WAVELENGTH TUNABLE NARROW LINEWIDTH DIODE LASER

It is a high-end custom high stability, low noise, narrow linewidth, wavelength tunable product. Mainly used in scientific research and teaching, such as holographic imaging, Raman, atomic clock, coherent detection and so on. Currently it has a line width of less than 0.1nm and a tuning range of 4nm.

#### SPECIFICATIONS

|   |   |
|---|---|
| Wavelength range of roughly tuning (nm)               | 408~412   |
| Operating mode  | CW  |
| Output power (mW)                                     | >1, 5, 10, ..., 30                              |
| Power stability (rms, over 4 hours)                   | <1%, <2%, <3%                                   |
| Transverse mode                                       | Near TEM <sub>00</sub>                          |
| Spectral linewidth (nm)                               | <0.1  |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~3.0  |
| Beam divergence, full angle (mrad)                    | <1.0  |
| Polarization ratio                                    | >50:1 (>100:1, optional)<br>Horizontal±5 degree |
| Warm-up time (minutes)                                | <5  |
| Beam height from base plate (mm)                      | 45.5  |
| Operating temperature (°C)                            | 20~30   |
| Parameters of customized power supply                 | Current : 0~300mA                               |
|   | TEC: 7~12kΩ                                     |
|   | PZT voltage: 0~100V                             |
| Expected lifetime (hours)                             | 10000   |
| Warranty  | 1 year  |



| TUN-408~412   | PSU-TUN  |
|---|--|
|  <p>125(L) × 110(W) × 67(H) mm<sup>3</sup>, 1.3kg</p> |  <p>229(L) × 174(W) × 114(H) mm<sup>3</sup>, 1.8kg</p> |