

## 长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

TUN-802~814/1~5mW

## **SPECIFICATIONS**

## WAVELENGTH TUNABLE NARROW LINEWIDTH DIODE LASER

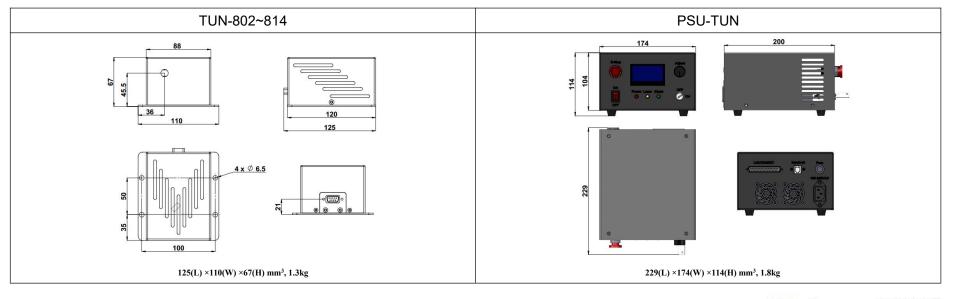
It is a high-end custom high stability, low noise, narrow linewidth, wavelength tunable product. Mainly used in scientific research and teaching, such as holographic imaging, Raman, atomic clock, coherent detection and so on. Currently it has a line width of less than 0.1nm and a tuning range of 12nm.



Wavelength range of roughly tuning (nm)	802~814
Operating mode	CW
Output power (mW)	>1, 2, 3,,5
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) Horizontal±5 degree
Warm-up time (minutes)	<5
Beam height from base plate (mm)	45.5
Operating temperature (°C)	20~30
Parameters of customed power supply	Current : 0~300mA TEC: 7~12kΩ PZT voltage: 0~100V
Expected lifetime (hours)	10000
Warranty	l year







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