**Opto Engine LLC** 

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 60pm and a tuning range of 4nm.



## **SPECIFICATIONS**

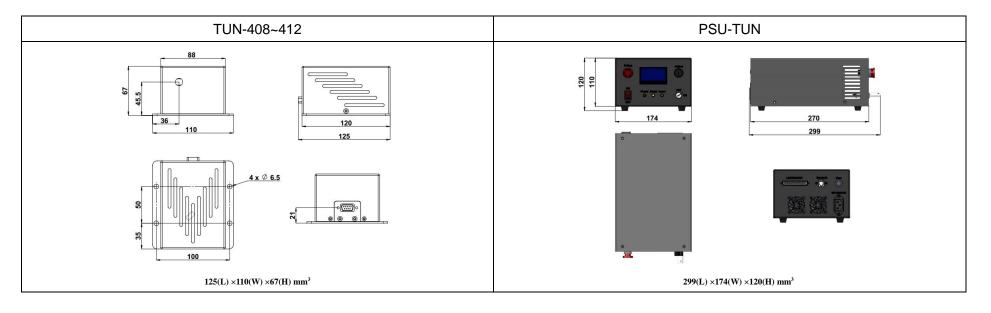
Wavelength range of roughly tuning (nm)	408~412	
Operating mode	CW	
Output power (mW)	>1, 5, 10,,30	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Near TEM <sub>00</sub>	
Spectral linewidth (nm)	<0.1	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~3.0	
Beam divergence, full angle (mrad)	<1.0	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	45.5	AVOID EXPOSURE: Laser radiator
Operating temperature (°C)	20~30	
Parameters of customed power supply	Current : 0~150mA TEC: 7~12kΩ PZT voltage: 0~100V	LARE PARATON - AVC PEAROWER-COMW CLASS HID LA This device complies with 21 Chargeton New Infustion Optool
Expected lifetime (hours)	10000	888 JinHu Road High-tech
Warranty	1 year	



**Data sheet** 

Rev. 1812





**Opto Engine LLC** 7397 Balboa Dr. Midvale, Utah 84047 USA Tel: (801) 553-2253 Email: info@OptoEngine.com Website: www.OptoEngine.com