

MDL-E-TUN-405/1~30mW

**WAVELENGTH TUNABLE
NARROW LINewidth DIODE
LASER AT 405nm**

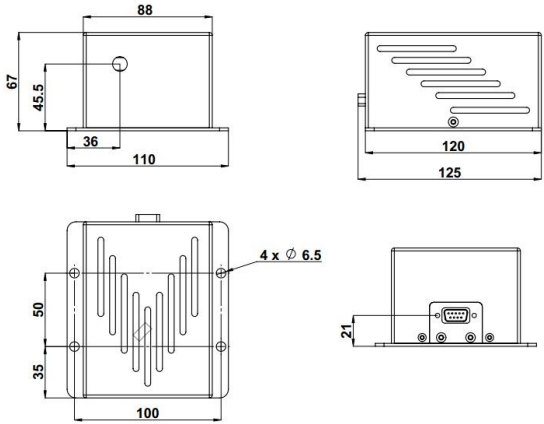
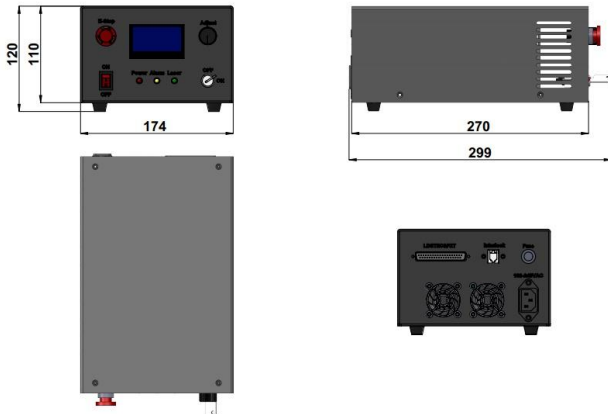
It is a high-end custom high stability, low noise, narrow linewidth, wavelength tunable product. Mainly used in scientific research and teaching, such as holographic imaging, Raman, atomic clock, coherent detection and so on.



SPECIFICATIONS

wavelength (nm)	405
Operating mode	CW
Output power (mW)	>1, 5, 10, ..., 30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM ₀₀
Wavelength range of roughly tuning (nm)	~4
Spectral linewidth (nm)	<0.06
Beam diameter at the aperture (1/e ² , 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
Operating temperature (°C)	20~30
Parameters of customized power supply	Current : 0~150mA
	TEC: 7~12kΩ
	PZT voltage: 0~100V
Expected lifetime (hours)	10000
Warranty	1 year



MDL-E-TUN-405	PSU-TUN
 <p>125(L) × 110(W) × 67(H) mm³</p>	 <p>299(L) × 174(W) × 120(H) mm³</p>