

MDL-E-442/1~30mW



**NARROW LINEWIDTH  
DIODE LASER AT 442nm**

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.

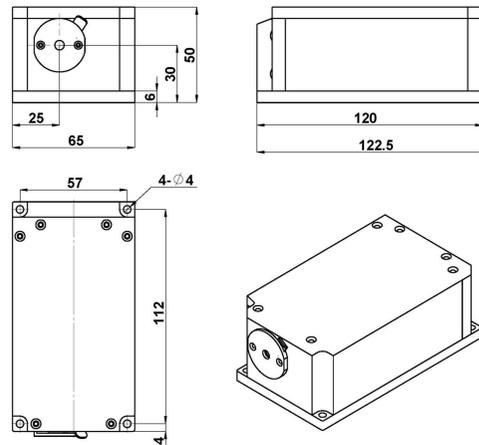


SPECIFICATIONS

Central wavelength (nm)	442±0.5
Operating mode	CW
Output power (mW)	>1, 2, 3, ...,30
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Multimode
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~2.5×1.0
Beam divergence, full angle (mrad)	~0.5×4.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (°C)	20~30
Power supply (100-240VAC)	PSU-A-D
Expected lifetime (hours)	10000
Warranty	1 year



MDL-E-442



122.5(L)×65(W)×50(H) mm<sup>3</sup>, 1.0kg

PSU-A-D



162(L)×144(W)×70(H) mm<sup>3</sup>, 1.0kg