

MDL-C-446/1-50mW

SPECIFICATIONS

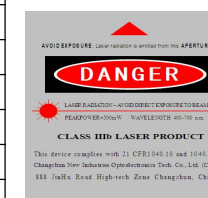


**LONG COHERENT LENGTH
DIODE LASER AT 446nm**

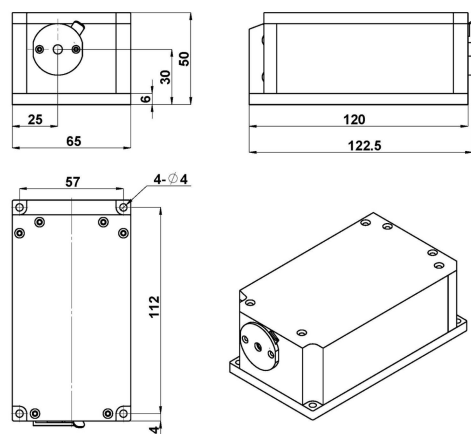
It features a long coherent length, stable wavelength, long lifetime and easy operation. They are widely used in holography, interference, fluorescence, photoetching, flow cytometry, DNA sequencing, Raman spectroscopy, Laser radar, precision measurement, etc.



Central wavelength (nm)	446±1
Operating mode	CW
Output power (mW) ¹	1-50
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%
Frequency shift (pm) (over ±2°C and 2hrs)	<20
Transverse mode	Multimode
Coherent length (m)	>1
Beam diameter at the aperture (1/e ² , mm)	~3.5×1.0
Beam divergence, full angle (mrad)	<5.0
Warm-up time (minutes)	<5
Cooled method	Conduction
Beam height from base plate (mm)	30
Operating temperature (°C)	20-30
Power supply (100-240VAC)	PSU-A-D
Expected lifetime (hours)	>10000



LASER HEAD



122.5 (L) × 65 (W) × 50 (H) mm³, 1.0kg

POWER SUPPLY²



162 (L) × 144 (W) × 70 (H) mm³, 1.0kg

1 Any power level can be selected in this range.

2 Output power adjustable 10-100%; RS232 control optional.