

MDL-E-488/1-70mW

SPECIFICATIONS

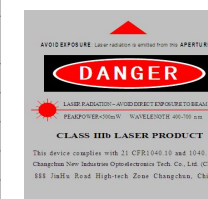


**NARROW LINEWIDTH
DIODE LASER AT 488nm**

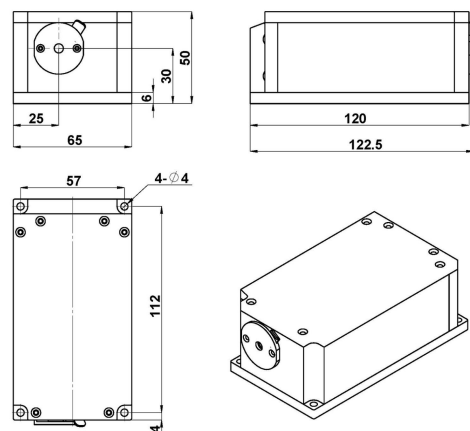
It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.



Central wavelength (nm)	488±0.5	
Spectral line width (nm)	<0.06, <0.03	
Operating mode	CW	
Output power (mW) ¹	1-20	20-70
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%	
Frequency shift (pm) (over ±2°C and 2hrs)	<20	
Transverse mode	Near TEM ₀₀	
M ²	<1.5	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Beam divergence, full angle (mrad)	~1.5	
Polarization ratio	>50:1, (>100:1 optional) Horizontal±5 degree (Vertical optional)	
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.

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