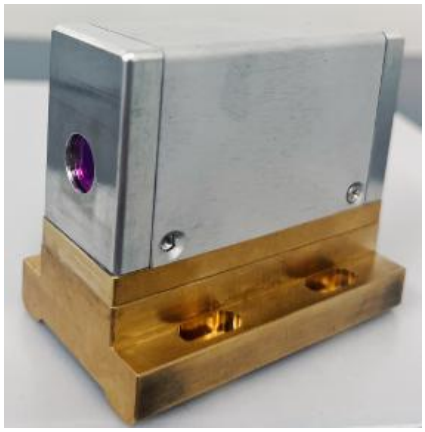

G532D010-65x25x40-1.0

Applications

- **Life Science**
- **Scientific Experiment**
- **Optical Instrument**
- **Medical Laser**

Specifications			
Model Number	**G532D010-65x25x40-1.0**		
Optical Specificaitons	***Min***	***Typ***	***Max***
Wavelength (nm)	530	532	534
Output Power (mW)	9	10	11
RMS Power Stability（8h,@RT ΔT<3℃）		1.7%	2.5
RMS Noise（20Hz-2MHz）	-	0.041%	0.3%
Pk-PkNoise（20Hz-2MHz）	-	0.07%	0.5%
M^2		1.3	1.4
Vertical Beam Diameter @1/e^2(μm)(at V-focal plane)	20	25	35
Horizontal Beam Diameter @1/e^2(μm)(at V-focal plane)	360	375	390
Vertical Beam Diameter @1/e^2(μm)(at plane 14.2mm from V-focal plane)		317	320
Polarization		2553:1	
Polarization Orientation（Vertical）(°)		2°	5°
Warm-up Time(Min)（Cold start environmental temperature 15-30℃）		3	4

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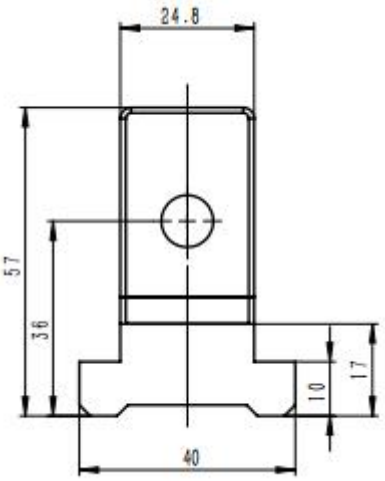
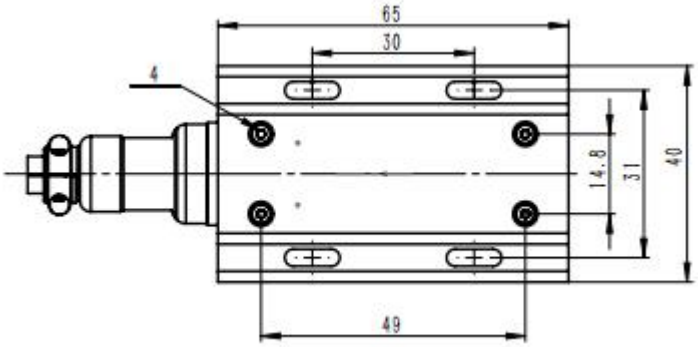
Tel: +86-532-66731598 Fax: +86-532-66731599 Email: sales@lasence.com Website: www.lasence.com

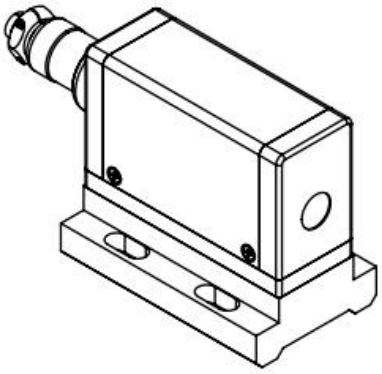
Alignment Specificatons	***Min***	***Typ***	***Max***
Beam Pointing Stability(urad/℃)	-	3.6	5
Static Beam Height from Base Plate (mm)	18.5	19	19.5
Working Distance（mm）	-	17.5	19.3
Static Beam Alignment (mrad)	-	4.6	5
Static Beam Alignment (mm)（at 130mm from front panel）	-	0.5	1
Electrical Specificatons	***Min***	***Typ***	***Max***
Operating Voltage (V)		220	
Operating Current m(A)	-	70	100
Power Consumption(W)	4.15		
Mechanical Specifications			
Laser Head Dimension (mm) L×W×H	65×25×40		
Laser Controller Dimension (mm) L×W×H	148×79×69		
Wire Length (mm) (from laser head to controller)	430		
Aerial Plug Pin Definition			
Pin1	NTC -		
Pin2	LD +		
Pin3	TEC -		
Pin4	TEC +		
Pin5	LD -		
Pin6	NTC +		

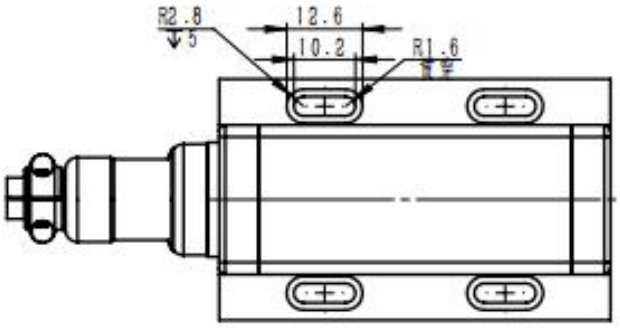
Laser Controller

Mechanical Diagram

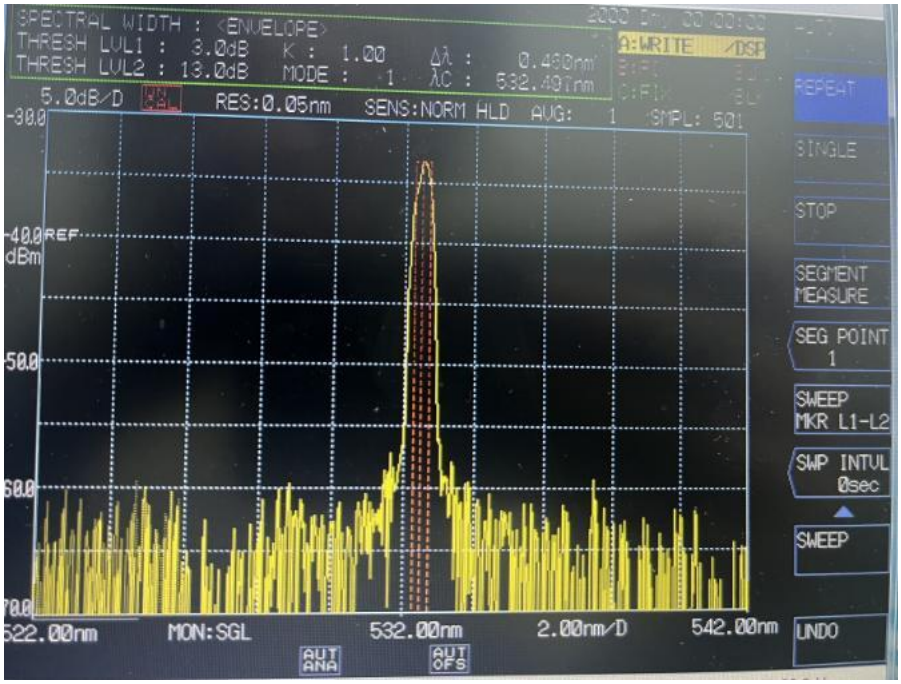








Wavelength(example 532.5nm)



Low Noise(example:

RMS noise: 20Hz：0.041%, 2MHz：0.046%)

Pk-Pk Noise: 20Hz：0.07%, 2MHz：0.14%