

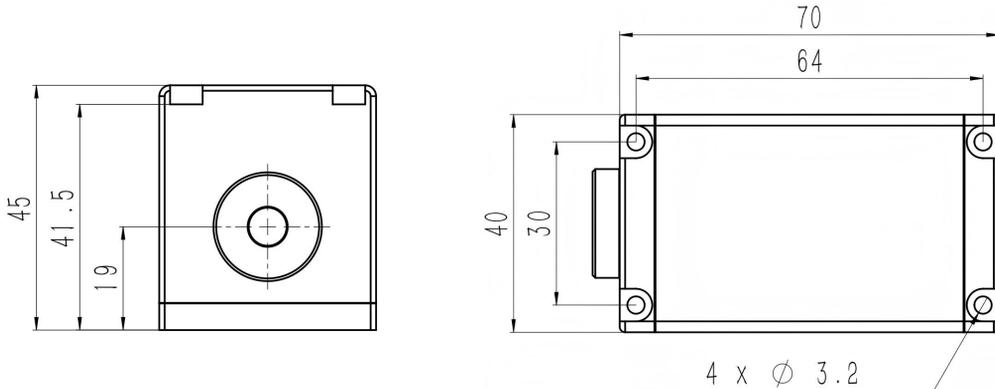


Y561D004-70x40x45-1.5

Applications

- Life Science
- Scientific Experiment
- Optical Instrument
- Laser Display

Dimensions (mm)



Specifications

Specifications			
Model Number	Y561D004-70x40x45-1.5		
Mechanical Specifications	<i>Min</i>	<i>Typ</i>	<i>Max</i>
Width x Height (mm)	-	40*45	-
Length (mm)	-	70	-
Weight (g)	-	-	200
Housing Material	Grey Anodized Aluminum		
Optical Specifications	<i>Min</i>	<i>Typ</i>	<i>Max</i>
Wavelength (nm)	559	561	563
Output Power (mW)	-	-	4.99
Power Stability at const. Temperature ⁽¹⁾	-	1%	3%
Output Power Mode	CW		
Laser Class	3R		

(1) RMS stability, after warm-up time

Beam Specifications		Min	Typ	Max
Beam Divergence ⁽¹⁾		-	1	1.5
Beam Alignment Tolerance	Position (Δr , mm)	-	-	0.5
	Off-axis Angle (mrad)	-	-	/
Beam Diameter at Output Window (mm) ⁽¹⁾			1.5	
Beam Roundness		70%	-	95%
M ²		-	-	1.3
Beam Mode Longitude		Multi		
Beam Mode Transverse		TEM ₀₀		
Beam Pointing Stability (urad/°C)		-	-	TBD
Beam Height from Base Plate (mm)		-	19	-
Polarization Ratio (Linear)		100:1	-	-
Residual IR		-	1%	-
Electrical Specificatons		Min	Typ	Max
Power Type		APC		
Operating Voltage (V)		DC12V		
Operating Current (A)		-	2	4
Reliability		Min	Typ	Max
Environmental Temperature (°C)		15	25	35
Warm-up Time (minutes)		-	-	2
Storage Temperature (°C)		-20	-	60
Cooling Requirements		Active Cooling Required		
Environmental Humidity (RH, %)		10	-	90
Lifetime (h) (MTTF at 25°C)		5,000	-	10000

⁽¹⁾ Full Angle (1/e²)

⁽²⁾ at Output Window