

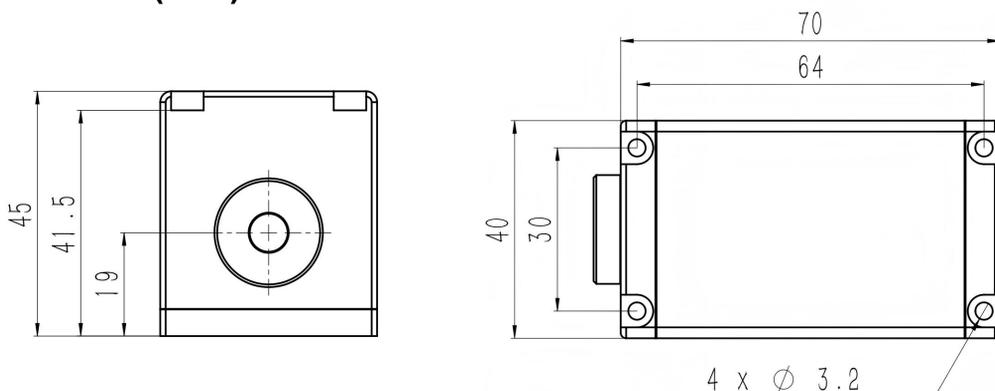


B488D004-70x40x45-1.0

Applications

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

Dimensions (mm)



Specifications

Specifications			
Model Number	B488D004-70x40x45-1.0		
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 Specificaitons	<i>Min</i>	<i>Typ</i>	<i>Max</i>
Wavelength (nm)	483	488	493
Bandwidth (nm)	-	2	-
Output Power (mW)	4.0	-	4.99
Power Stability (25°C, 8h)	-	1%	3%
Output Power Mode	CW		
Laser Class	3R		

Beam Specifications		Min	Typ	Max
Beam Divergence ⁽¹⁾		-	0.5	1
Beam Alignment Tolerance	Position (Δr , mm)	-	-	0.5
	Off-axis Angle (mrad)	-	-	2.5
Beam Dimensions ⁽²⁾	Horizontal (mm)	5.5	6.0	6.5
	Vertical (mm)	1.0	1.5	2.0
M ²		-	-	1.3
Beam Mode Longitude		Multi		
Beam Mode Transverse		TEM ₀₀		
Beam Pointing Stability (urad/°C)		-	-	5
Beam Height from Base Plate (mm)		-	19	-
Polarization Ratio (Linear)		100:1	-	-
Electrical Specifications		Min	Typ	Max
Power Type		APC		
Operating Voltage (V)		DC12V		
Operating Current (A)		-	2	-
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 Working Distance 300mm (1/e²)