

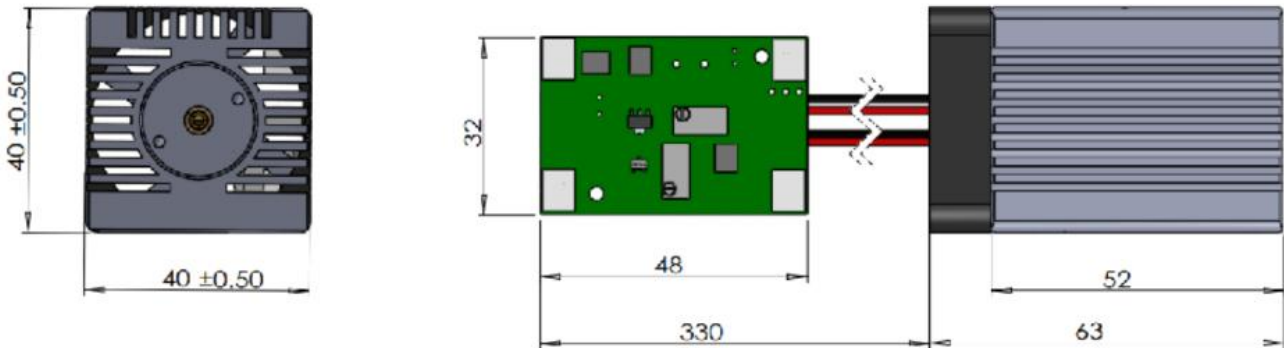


Y571D050-63x40x40-2

Applications

- Laser Medical Treatment
- Scientific Experiment
- Optical Instrument
- Laser Display

Dimensions (Unit: mm)



Specifications				
Model Number		Y571D050-63x40x40-2		
Mechanical Specifications		Min	Typ	Max
Laser Head	Width x Height (mm)	-	40x40	-
	Length (mm)	-	63	-
	Weight (g)	-	220	250
Housing Material		Anodic oxidation treatment		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		569	571	573
Output Power (mW)		35	50	70
Power Stability at const. Temperature ⁽¹⁾		-	+/- 10%	+/- 20%
Output Power Mode		CW		
Laser Class		3B		

⁽¹⁾ after max. 10 minutes

Beam Specifications	Min	Typ	Max
Beam Divergence (mrad) ⁽¹⁾	-	2	3
Beam Diameter at Output Window (mm)	-	-	10
Beam Height from Base Plate (mm)	-	20	-
Beam Mode Longitude	Multi		
Beam Mode Transverse	TEM _{n0} ⁽²⁾		
Polarization Ratio (Linear)	100:1	-	-
Residual IR	-	-	1%
Electrical Specifications	Min	Typ	Max
PCB Type	ACC		
Voltage (DC, V) ⁽³⁾	4	-	5
Operating Current (A) at 5V	-	1800	2100
Housing Isolation and ESD protection	-	No	-
Weight (g)	-	50	-
Wire Length (mm)		190±20	
Wire Type		22AWG	
Reverse Voltage Protection		Yes	
Reliability	Min	Typ	Max
Operating Case Temperature Range (°C)	20	25	30
Warm-up Time (minutes)	-	-	10
Storage Temperature (°C)	0	-	40
Environmental Humidity (RH, %)	5	-	85
Lifetime (hours) (MTTF at 25°C)	5,000	-	-

(1) Full Angle (1/e²)

(2) It is TEM₀₀ at 25°C and multi mode at other operating case temperature

(3) With 220V Power Adaptor optional

Beam Spot Example

