



**Y571D50-63x45x40-2**

### Applications

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

### Dimensions (Unit: mm)



### Specifications

Model Number		Y571D50-63x45x40-2		
Mechanical Specifications		Min	Typ	Max
Laser Head	Width x Height (mm)	-	45x40	-
	Length (mm)	-	63	-
	Weight (g)	-	-	150
Housing Material		Anodic oxidation treatment		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		570	571	572
Output Power (mW)		50	-	-
Power Stability at const. Temperature <sup>(1)</sup>		-	+/- 10%	-
Output Power Mode		CW		
Laser Class		4		

<sup>(1)</sup> after max. 10 minutes

<b>Beam Specifications</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
Beam Divergence (mrad) <sup>(1)</sup>	-	2	-
Beam Diameter at Output Window (mm)	-	6	-
Beam Height from Base Plate (mm)	-	20	-
Beam Mode Longitude	Multi		
Beam Mode Transverse	near TEM00/ Multi Mode <sup>(2)</sup>		
Polarization Ratio (Linear)	100:1	-	-
Residual IR	-	-	1%
<b>Electrical Specifications</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
PCB Type	ACC		
Voltage (DC, V) <sup>(2)</sup>	-	12	-
Operating Current (A) at 12V	-	600	800
Housing Isolation and ESD protection	-	No	-
Weight (g)	-	50	-
Wire Length (mm)		330±20	
Wire Type		22AWG	
Reverse Voltage Protection		Yes	
<b>Reliability</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>
Operating Case Temperature Range (°C)	15	25	35
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/e<sup>2</sup>)

(2) With 220V Power Adaptor optional

### Beam Spot Example

