

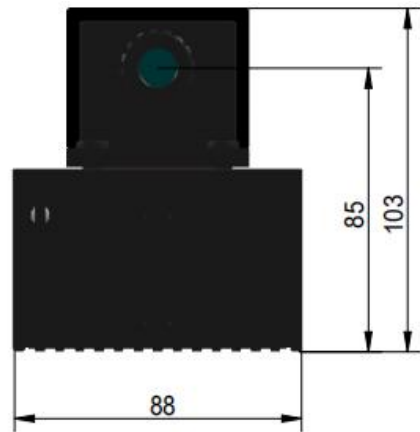
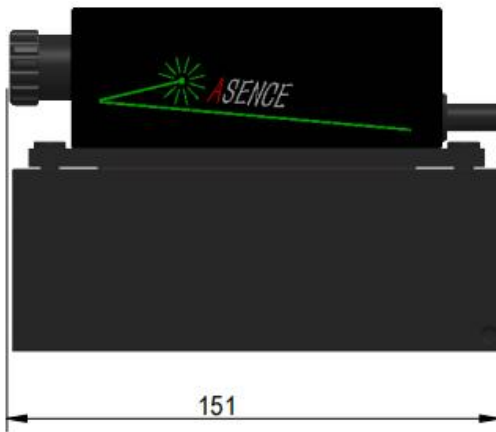


G545D1000-151x88x103-2

Applications

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

Dimensions (Unit: mm)



Specifications

Model Number		G545D1000-151x88x103-2		
Mechanical Specifications		Min	Typ	Max
Laser Head	Width x Height (mm)	-	88x103	-
	Length (mm)	-	151	-
	Weight (g)	-	-	1800
Housing Material		Anodic oxidation treatment		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		543	545	547
Output Power (mW)		900	1000	
Output Power (mW) from -30 to 50°C		500		
Power Stability at const. Temperature		-	+/- 2%	+/- 5%
Output Power Mode		CW		
Laser Class		4		

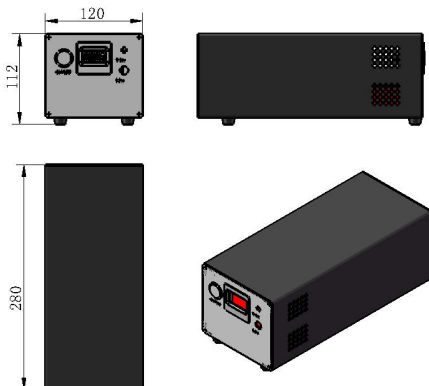
(1) see remarks in page 2 no#3

Beam Specifications		Min	Typ	Max
Beam Divergence (mrad) ⁽¹⁾		-	40	50
Beam Diameter at Output Window (mm)		-	0.5	-
Beam Height from Base Plate (mm)		-	85	-
Beam Mode Longitude		Multi		
Beam Mode Transverse		TEM10 ⁽²⁾		
Polarization Ratio (Linear)		100:1	-	-
Residual IR		-	-	1%
Electrical Specifications		Min	Typ	Max
Power Supply		100-240VAC		
Power Consumption (W)		-	60	-
Power Size	Width x Height (mm)	-	120x110	-
	Length (mm)	-	310	-
	Weight (g)	-	1950	-
Reliability		Min	Typ	Max
Operating Case Temperature Range (°C)		-30	25	50
Warm-up Time (minutes)		-	-	10
Storage Temperature (°C)		0	-	40
Environmental Humidity (RH, %)		5	-	85
Lifetime (hours) (MTTF at 25°C)		5,000	-	-

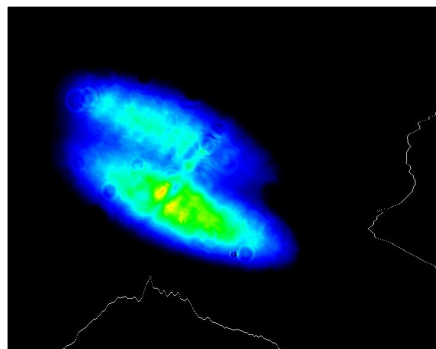
(1) Full Angle (1/e²)

(2) See picture 2 on page 2 for example of beam spot

Picture 1



Picture 2



Typical Output Performance (examples)

1.) Power / Current vs. Case Temperature

