

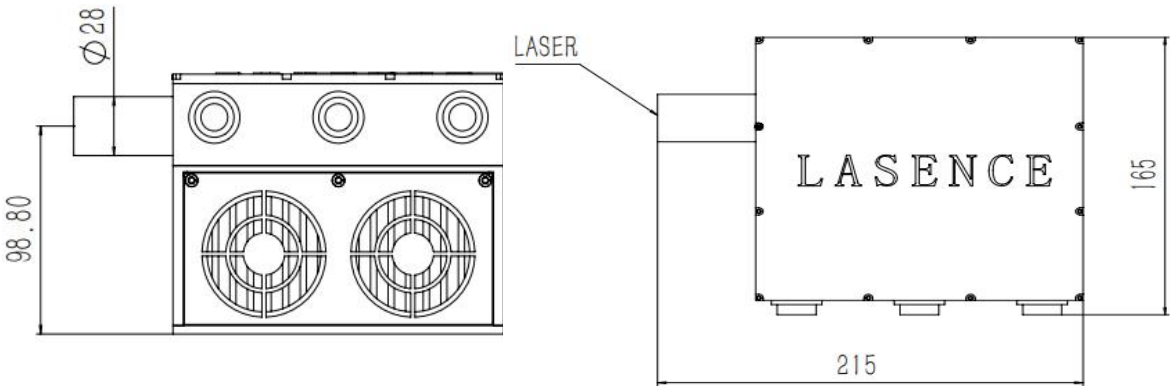


Y589D1000-215x165x125-MMF

Applications

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

Dimensions (Unit: mm)



Specifications				
Model Number		Y589D1000-215x165x125-MMF		
Mechanical Specifications		Min	Typ	Max
Laser Head	Width x Height (mm)	-	215x165	-
	Length (mm)	-	125	-
	Weight (g)	-	-	8000
Housing Material		Anodic oxidation treatment		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		587	589	591
Output Power (mW)		900	1000	-
Power Stability at const. Temperature ⁽¹⁾		-	+/-1%	+/-3%
Output Power Mode		CW		
Laser Class		4		

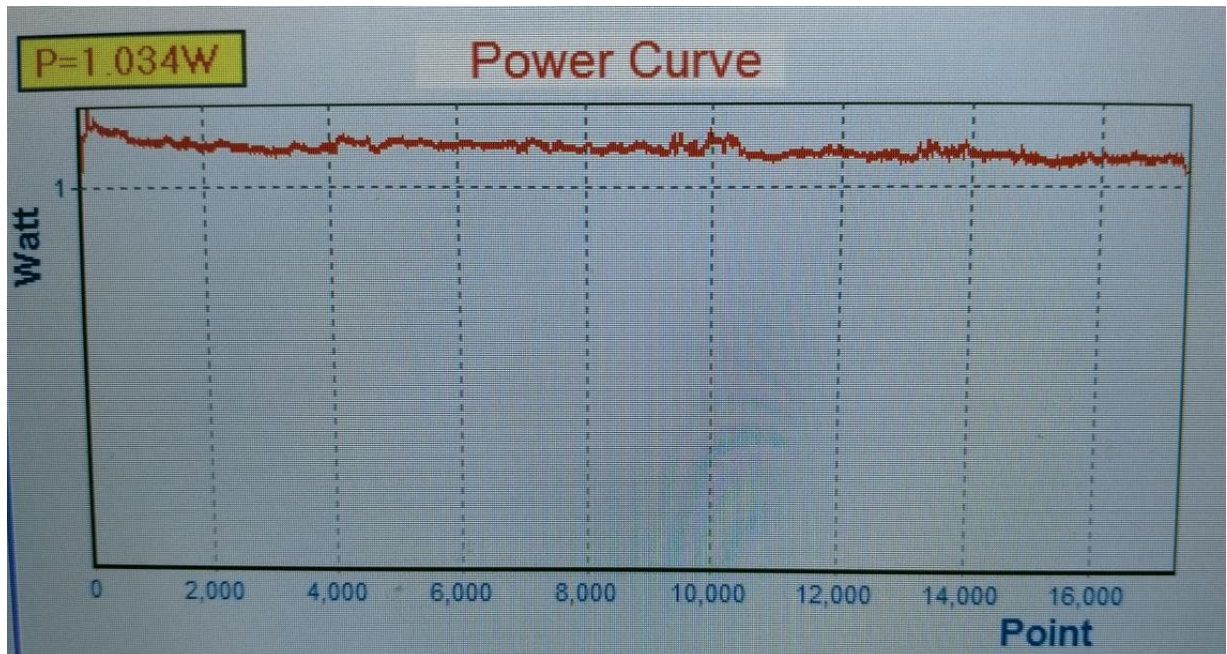
⁽¹⁾ after max. 10 minutes , RMS, see picture 2 in page 3.

Fiber	Core Diameter(μm)	-	200	-
	NA	-	0.22	-
	Length(m)	-	1	-
	Connector	SMA905		
Beam Mode Longitude		Multi		
Beam Mode Transverse		TEM ₀₀ ⁽¹⁾		
Polarization Ratio (Linear)		1:1	-	-
Residual IR		-	-	3%
Electrical Specifications		Min	Typ	Max
Power Supply		100-240VAC		
Power Consumption (W)		-	240	-
Power Size	Width x Height (mm)	-	200x195	-
	Length (mm)	-	275	-
	Weight (g)	-	5000	-
Operating Ambient Temperature Range (°C)		10	25	30
Rise Time (mins) at 10A ⁽⁴⁾ (at T)		-	8	10
Storage Temperature (°C)		0	-	40
Environmental Humidity (RH, %)		5	-	85
Lifetime (hours) (MTTF at 25°C)		5,000	-	-
RoHS Compliance Declaration		Yes		

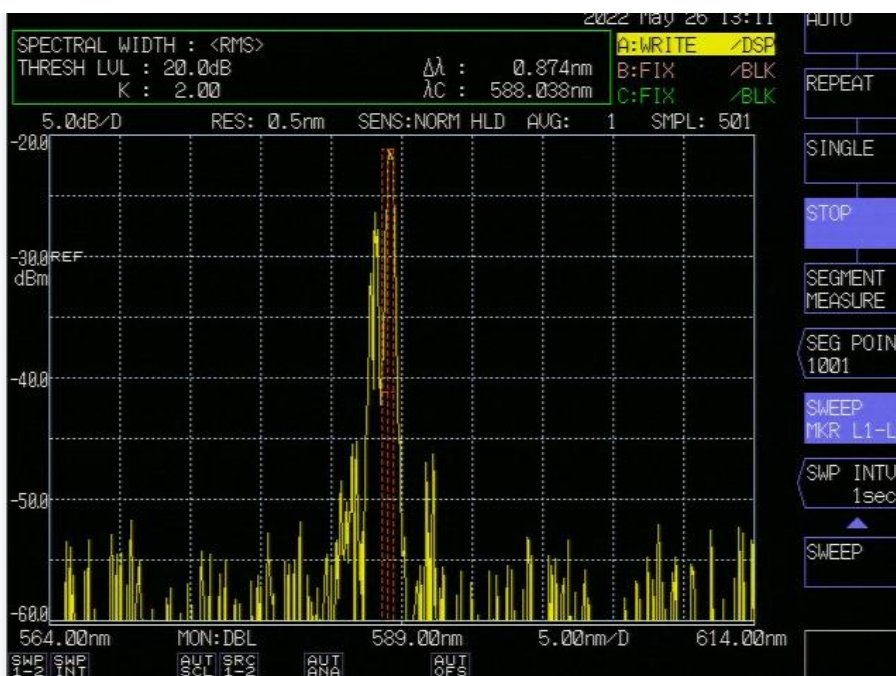
⁽¹⁾ Full Angle ($1/e^2$)

⁽²⁾ See picture 2 on page 3 for example of wavelength

Picture: Power Stability Over 2h



Picture 2: Wavelength



Interface:

Number	Core	1	2	3	4	5	6	7	8	9	10
P3	8-core	NTC (LD)	LD+	LD+	LD+	LD-	LD-	LD-	NTC (LD)		
P2	10-core	TEC+ (LD)	TEC+ (LD)	TEC+ (LD)	PD+	TEC+ (LD)	TEC- (LD)	PD-	TEC- (LD)	TEC- (LD)	TEC- (LD)
P1	8-core	TEC+ (crystal)	TEC+ (crystal)	TEC- (crystal)	TEC- (crystal)	NTC (crystal)	NTC (crystal)	Fan +	Fan-		