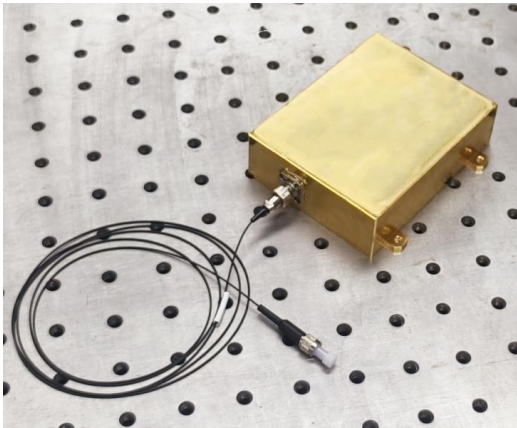


Yellow 577nm Laser

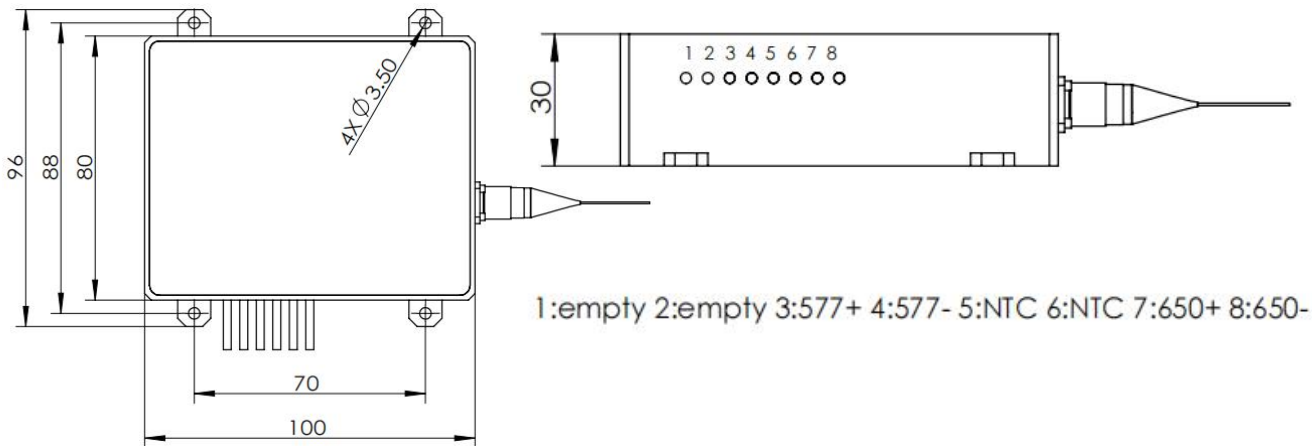


Y577D1000-100x90x30-50FC

Features

- DPSS Laser
- 50μm fiber coupled
- High Stability
- Yellow Laser

Dimensions (Unit: mm)



Specifications				
Model Number		Y577D1000-225x160x30-50FC		
Mechanical Specifications		Min	Typ	Max
Laser Head	Width x Height (mm)	-	96x30	-
	Length (mm)	-	-	100
	Weight (g)	-	-	1500
Housing Material		Aluminum		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		574	577	580
Continuous Output Power (mW)		1000	1,500	-
Power Stability at const. Temperature ⁽¹⁾		-	+/- 1%	+/- 3%

⁽¹⁾ after warm-up time (RMS)

Output Power Mode	CW		
Laser Class	4		
Indicating Optical Power(mW)	0.5	-	5
Indicating Optical Wavelength(nm)	630	-	660
Residual IR	-	-	3%

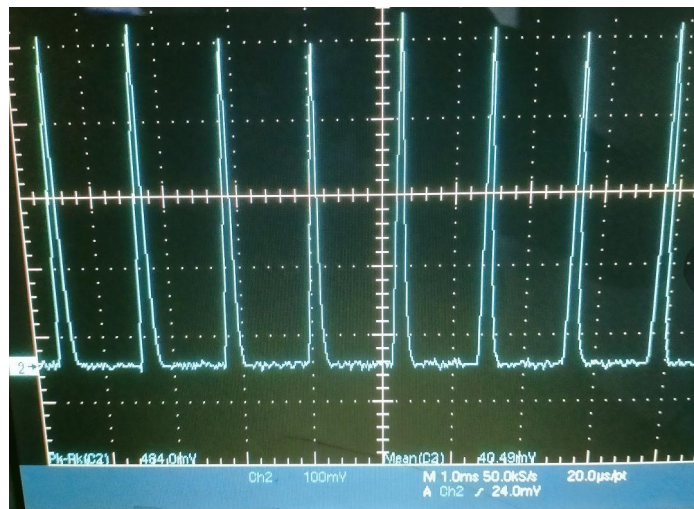
Fiber Specifications		Min	Typ	Max
Fiber	Core Diameter(μm)	-	50	-
	NA	-	0.22	-
	Length(m)	-	1.5	-
	Connector	SMA905		
Electrical Specifications		Min	Typ	Max
Power Voltage (DC, V)		100	-	240
Power Operating Current (A)		-	-	5
Water Temperature for Water Cooled (°C)		25		
Water Pressure (bar)		1	-	3
Housing Isolation		No		
ESD protection		No		
Reliability		Min	Typ	Max
Operating Case Temperature Range (°C)		15	-	35
Warm-up Time (mins)		-	3	5
Storage Temperature (°C)		0	-	40
Environmental Humidity (RH, %)		5	-	85
Lifetime (hours) (MTTF at 25°C)		10,000	-	-
RoHS Compliance Declaration		Yes		

Remarks

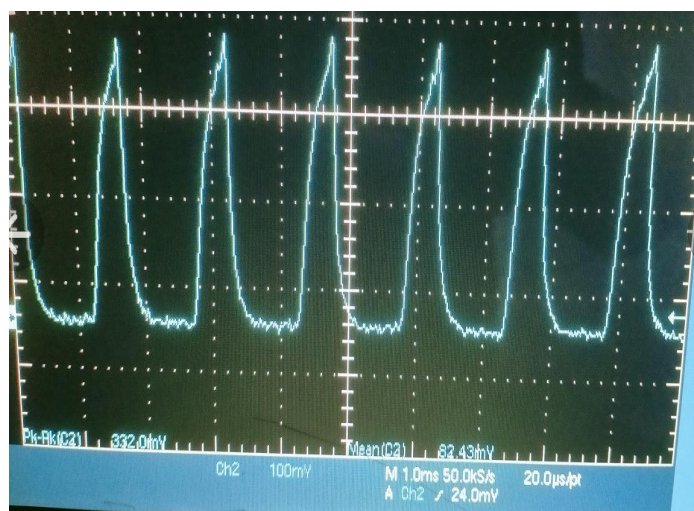
- Product ID for placing orders: Y577D1000-100x90x30-50FC
- Datasheet version: 1
- Power supply is included
- Water chiller is not included
- No photodiode
- Example of beam spot (see picture2)
- Laser output pulse waveform diagram (see picture 1)

Picture 1

Pulse-Width: 150us
Pulse interval: 1ms



Pulse-Width: 500us
Pulse interval: 1ms



Tested By Oscilloscope+photoelectric probe

Picture 2



Tested By CCD