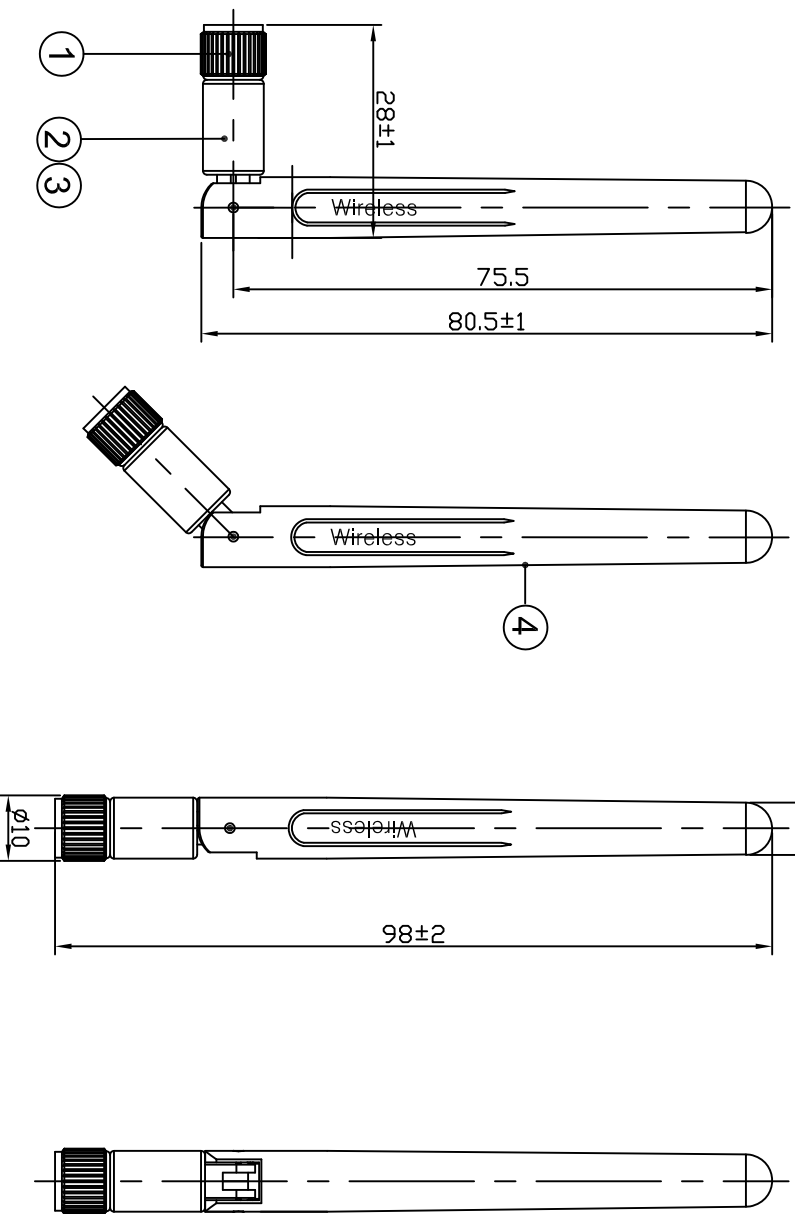


RoHS

Compatible



備註:

1. 帶*號的尺寸為重點尺寸.
2. 未標公差按標準公差

Chian Yao CO.,LTD

4	201005350001	本体 10*80.5 沛欣專用 ABS 黑色	1	PCS
3	203001250001	連接頭 9.8*19.5 沛欣專用 ABS 黑色	1	PCS
2	101000106001	RF1.13 ODL1.13 銅鍍錫 黑色	0.082	M
1	SMA002-C28MR178-01A	小S銅電著接頭公頭母針(連接頭帶卡扣)	1	PCS
序號	物料編號	物料名稱規格	用量	單位

TITLE: Antenna-2, 4GHz-2dBi				
PART NO: CY102400-10982LF-01A		DWG NAME: CY102400-10982LF-01A		
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance	
		Xumingwen	UNITS: mm	X.X ±0.2
		2013/08/19	SCALE: 1/1	X.XX ±0.1
			REVISION: A	X° ±1°

Product Number: CY102400-10982LF-01A

Product Name: 2.4GHz 2dBi Antenna

Index:

1. Reliability Testing
2. Specification
3. SParameter Test Data
4. Antenna Radiation Pattern
5. Mechanical Drawing
6. SGS Report

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1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < $\pm 5\%$
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < $\pm 5\%$
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < $\pm 5\%$

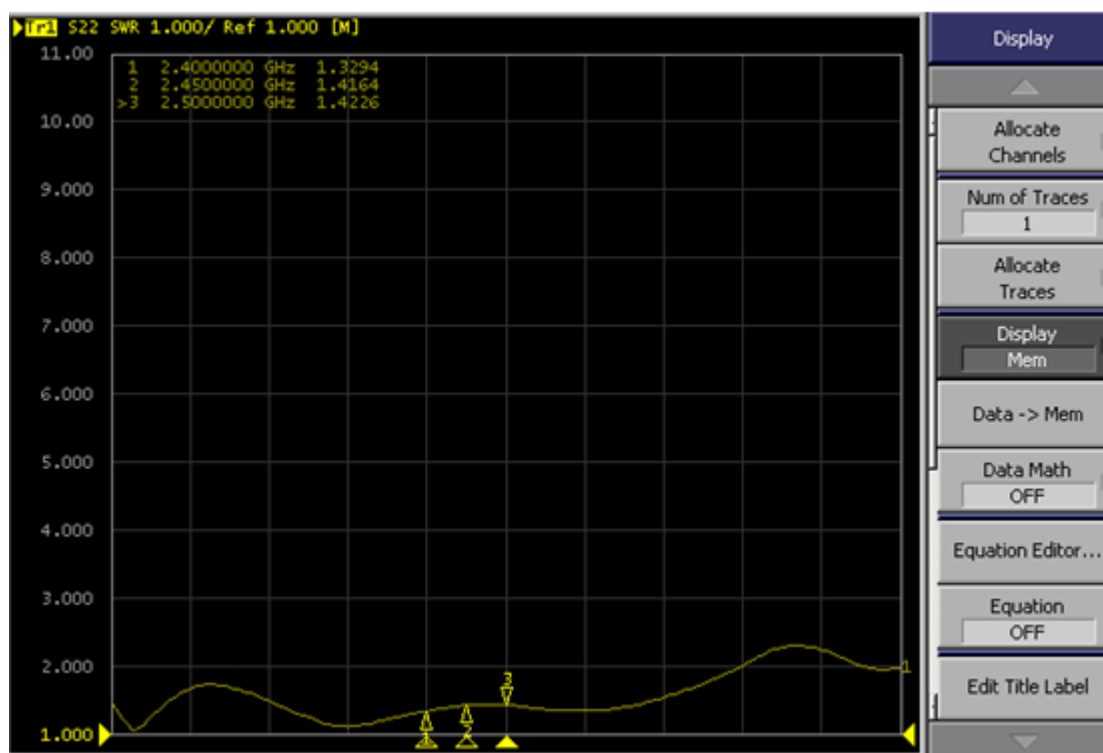
Product Number: CY102400-10982LF-01A

Product Name: 2.4GHz 2dBi Antenna

2. Specification

A. Electrical Characteristics	
S.W.R.	2400~2500MHz: ≤ 2.0
Antenna Gain	2.0 ± 0.7 dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	SMA RP PLUG
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data



Product Number: CY102400-10982LF-01A

Product Name: 2.4GHz 2dBi Antenna

4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

