



Shenzhen Shuodian Electronic Technology Co.,Ltd

SPECIFICATION

for

PPA102.A0-2.4G Spring Antenna

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1.General

1.1 Scope of application

2.4G Spring Antenna

1.2 Temperature range for use

-20 ~ +65 °C

1.3 Storage Temperature Range

-30 ~ +75 °C

2.General specifications of the product

NO .	ITEMS	DETAILS
1	MODEL	PPA102.A0
2	frequency range	2400-2500MHz
3	VSWR	≤2.0
4	GAIN	-0.86dBi
5	Impedance	50 Ω
6	Antenna type	unipolar
7	Antenna shape	spring



3.Product specification details

3.1 Product structure parameters

3.1.1 Product material composition:

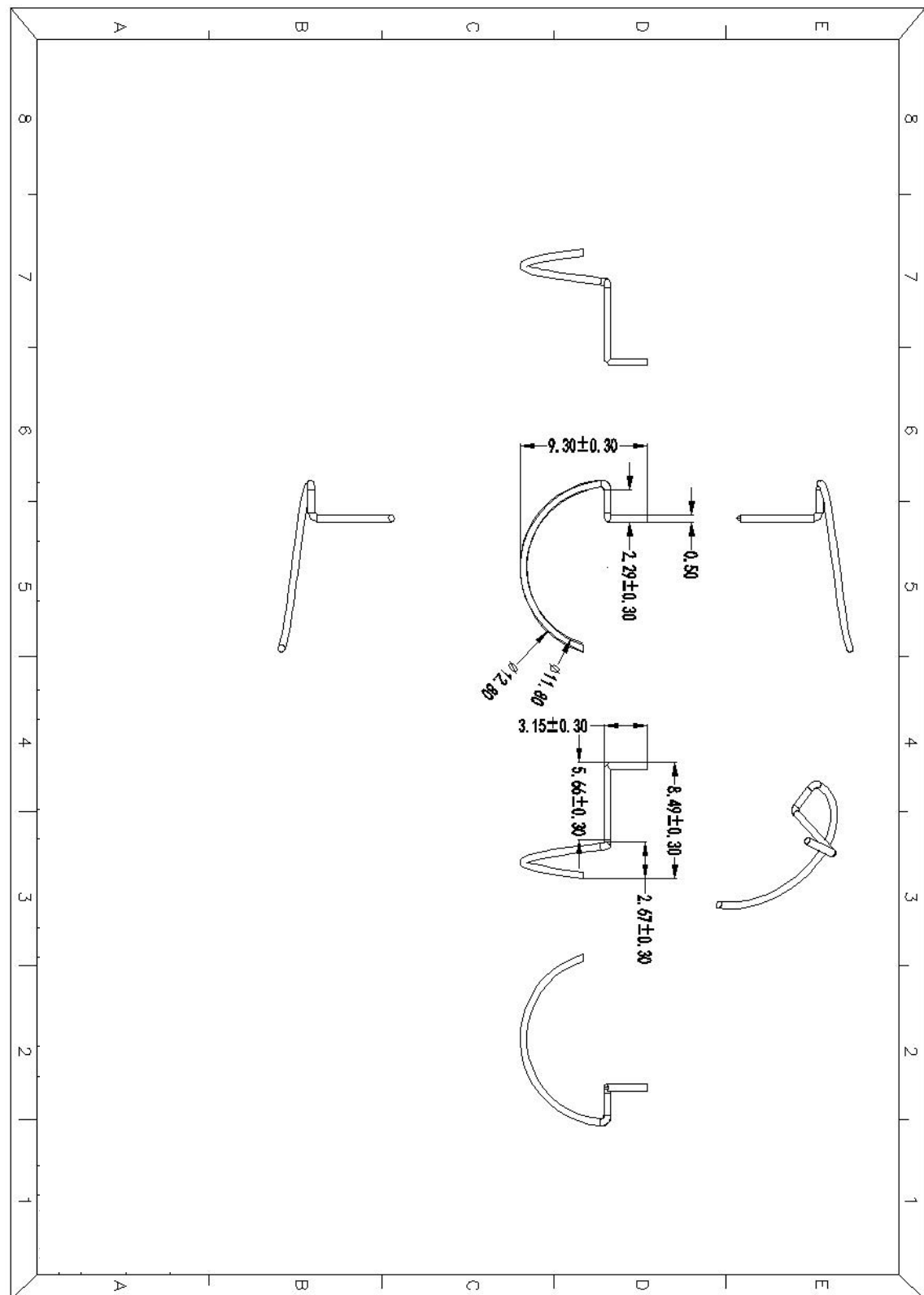
NO.	Material	Size (MM)
1	copper	12. 8*9. 3*0. 5

3.1.2 appearance

The product has a good appearance and is free from serious defects such as scars, sweat marks, and protrusions that may affect its appearance.

3.1.3 structure size

Refer to product drawings:





3.2 Product electrical performance test data

3.2.1 Testing environment and instrument equipment

testing environment:

temperature: 10℃——+30℃
relative humidity: ≤80% (+40℃)
atmospheric pressure: 750mmkg±30mmkg

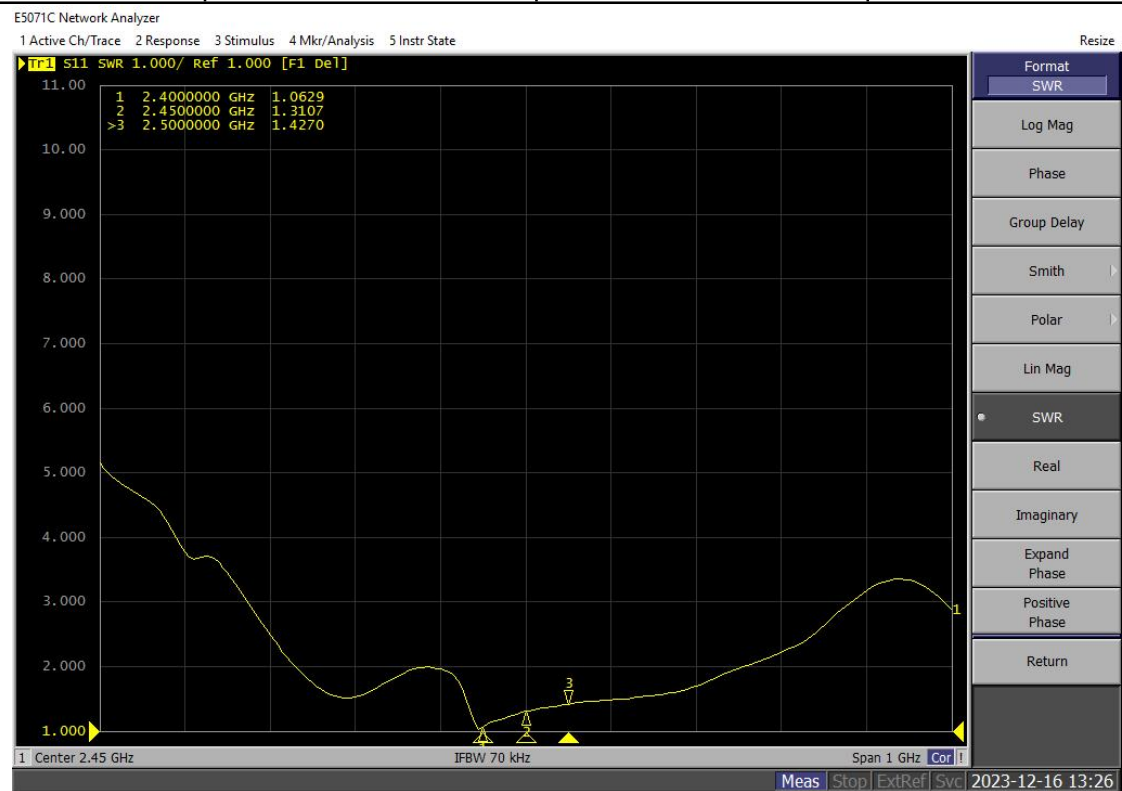
Test equipment:

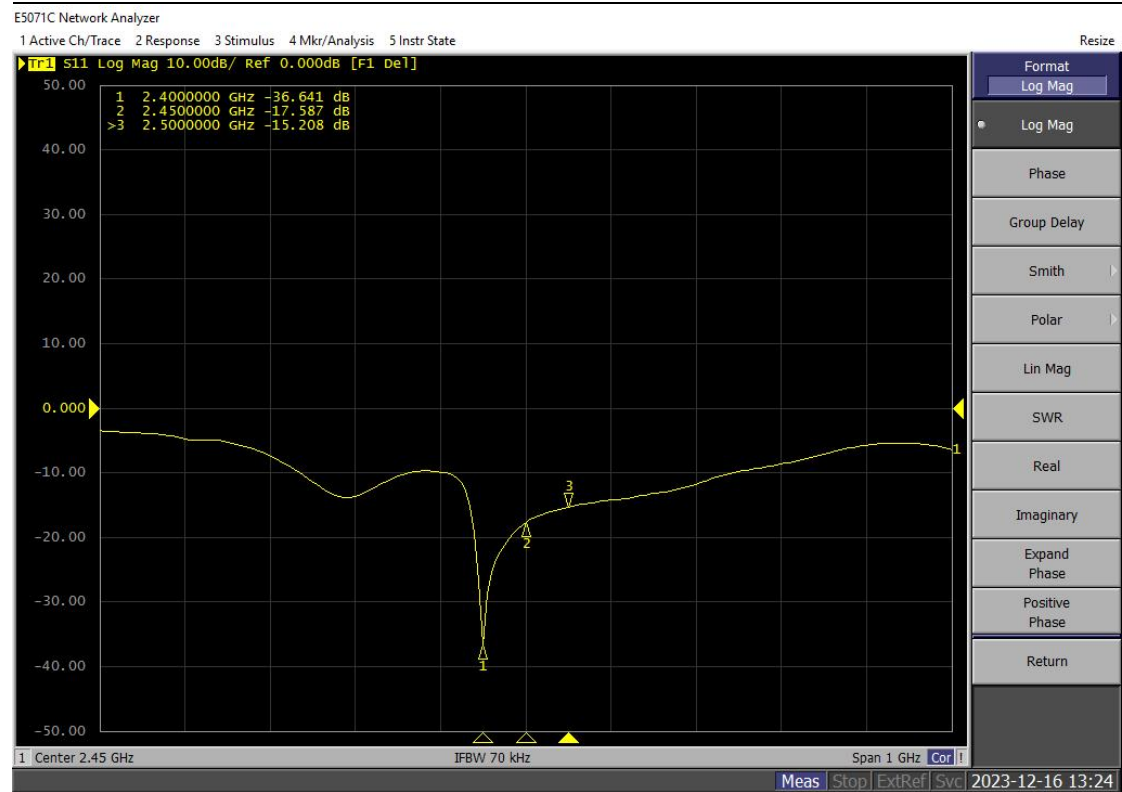
network analyzer
KEYSIGHT E5071C
Multi probe microwave darkroom

3.2.2 Product electrical performance test data:

S11 diagram of the product:

Marker (MHZ)	2400	2450	2500
Returnloss	-36.6	-17.5	-15.2
VSWR	1.06	1.31	1.42







3.3 Radiation pattern: frequency 2450MHz

