



公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：http://rflink.net.cn

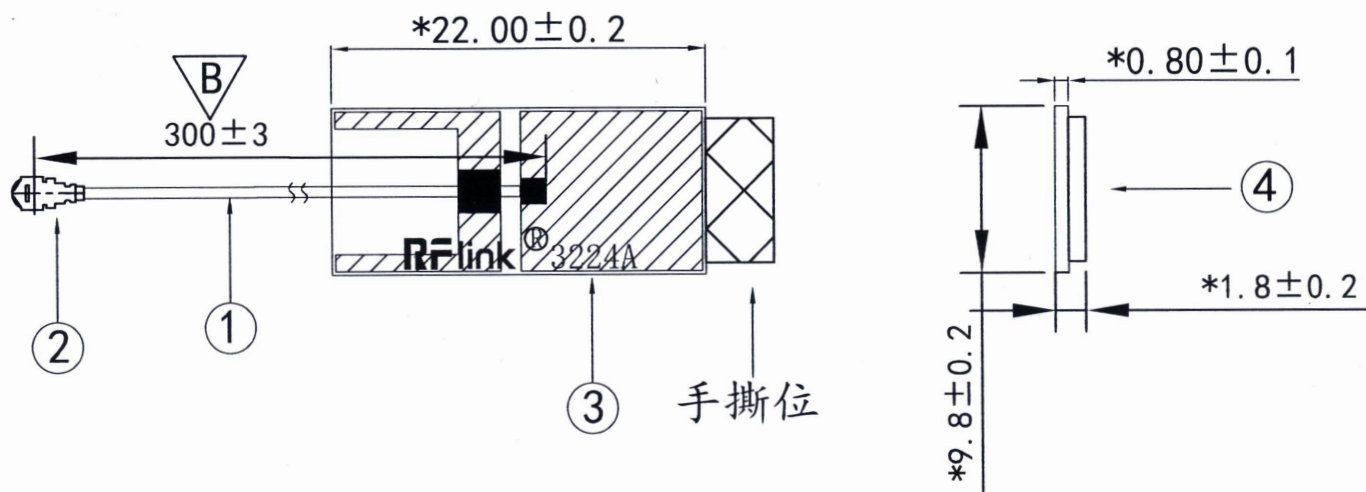
东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

Technical Specifications

Main technical specifications	
Frequency Range (MHZ)	2400~2500 5150~5850
Impedance(Ω)	50
Peak Gain(dBi)	2.4G: 2.83dBi 5G: 3.03dBi
VSWR	≤ 1.92
Polarization	Linear, Vertical
Radiation	Omni-directional
Connector Type	Cable+MHF Plug
Physical Properties	
Antenna cover	FR-4
Operating Temp	-20°C~+70°C
Storage Temp	-20°C~+70°C

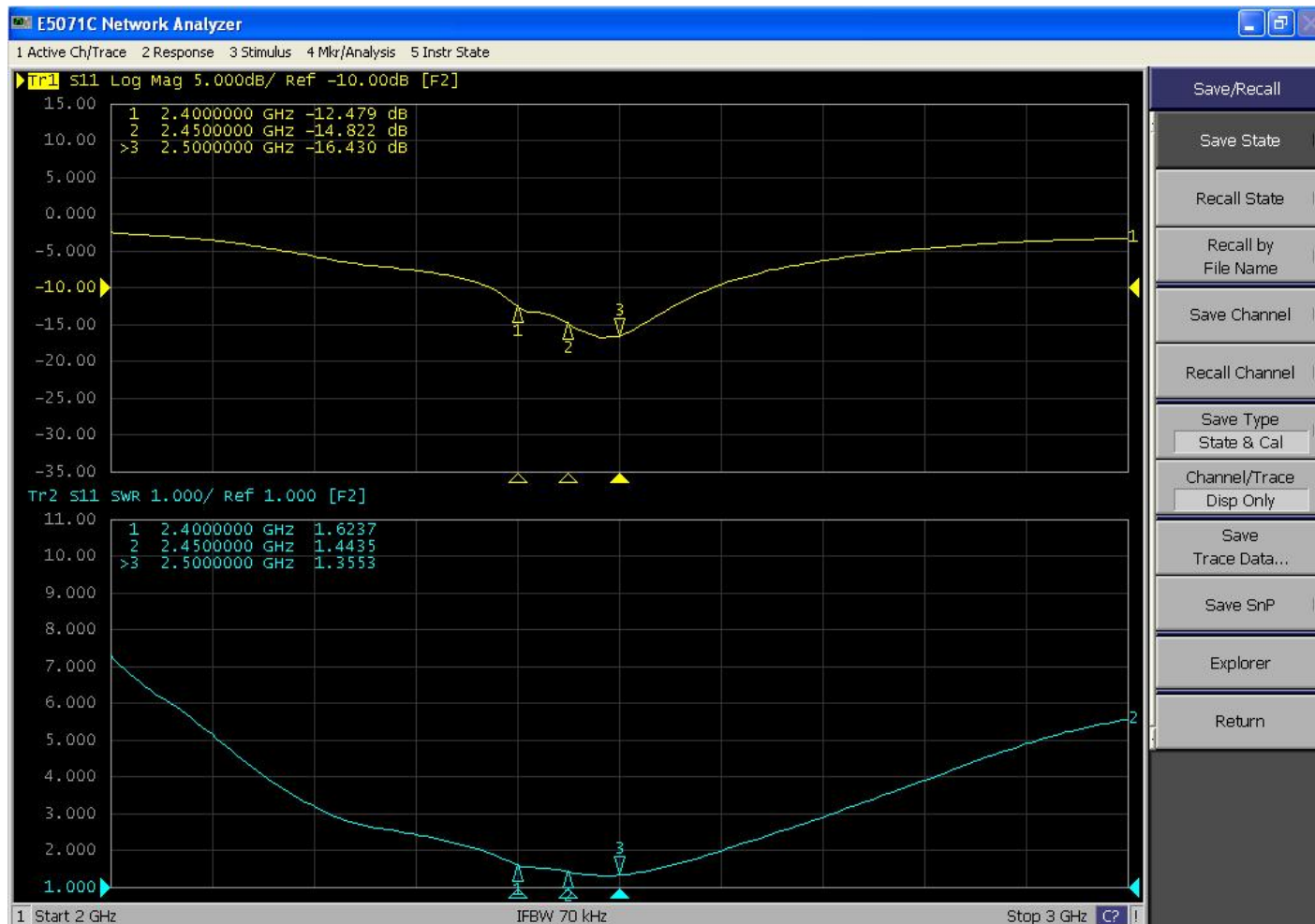
REV	DATE	DESCRIPTION	Change the code
A	2023-09-12	NEW ISSUE	
B	2024-03-06	变更外露	



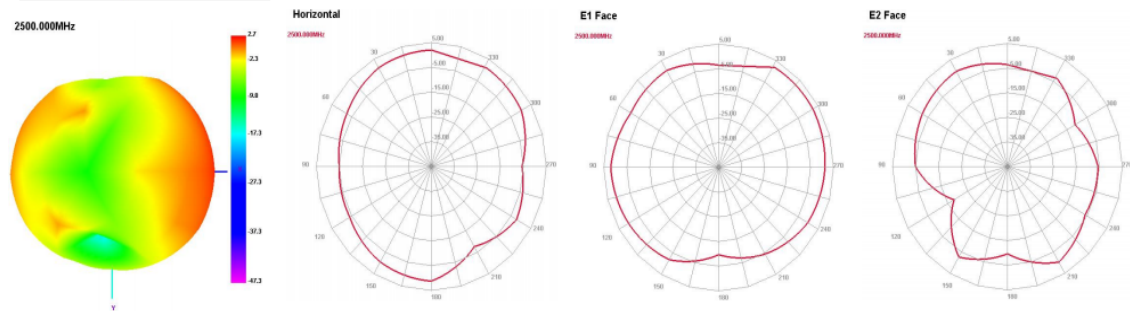
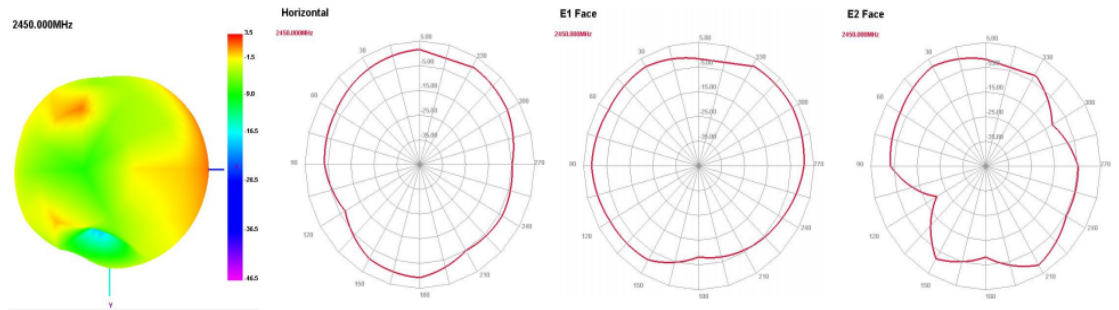
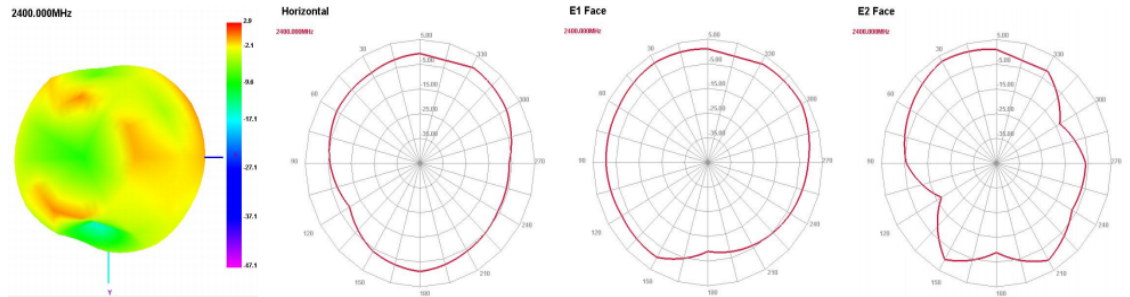
东莞市仁丰电子科技有限公司
受控文件
(复印无效)
发行日期: 年 月 日

规格Specification:
频率Frequency Range:5.15~5.85GHz

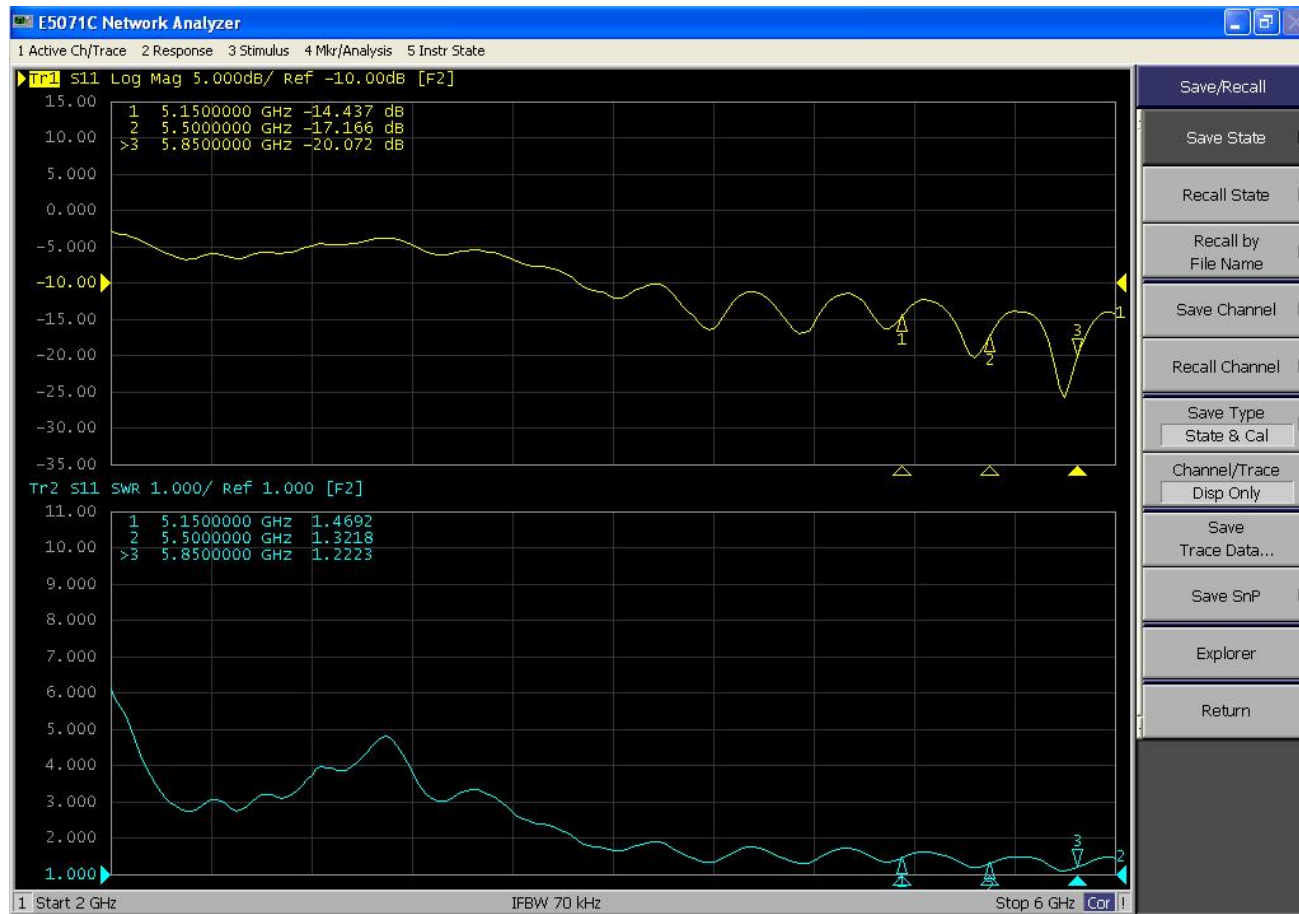
4	泡棉胶	1	3M9080A	尺寸范围(mm)	公差(mm)	APPROVED	COSTOMER:	RF link 东莞市仁丰电子科技有限公司 RenFeng Electronic technology Co., LTD.
3	PCB	1	FR-4;	0<L≤6	±0.10	CHECKED 宋俊 DRAWING 杨振	PART NO :	
2	端子	1	Copper;	6<L≤30	±0.10		PARTNAME : RF Antenna Assembly	
1	线材	1	φ1.37 Black;	30<L≤90	±0.15		R.F P/NO : U00T02S000N03855	
NO. DESCRIPTION Q'TY			REMARK	80<L≤180	±0.20		REV	
				180<L≤315	±0.25		UNIT	
				315<L≤800	±0.35		SCALE	
				角度	±0.5°		SIZE	
							SHEET	
							B	
							mm	
							1:1	
							A4	
							10F1	



Freq (MHz)	Effi (%)	Gain (dBi)
2400	69.12	2.77
2410	66.79	2.83
2420	70.34	2.78
2430	71.35	2.64
2440	73.99	2.73
2450	73.43	2.78
2460	75.91	2.72
2470	76.28	2.80
2480	75.19	2.67
2490	74.91	2.77
2500	71.83	2.69

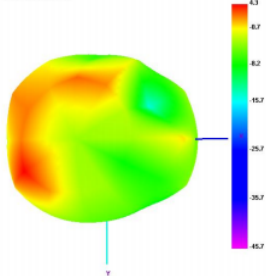


5G-1

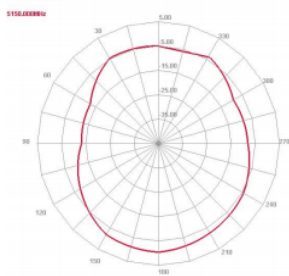


Freq (MHz)	Effi (%)	Gain (dBi)
5150	68.65	3.03
5200	67.59	2.94
5250	67.62	2.89
5300	68.99	3.02
5350	66.11	3.01
5400	69.45	3.03
5450	73.28	3.07
5500	70.11	2.99
5550	68.65	3.01
5600	72.58	2.99
5650	72.98	3.03
5700	71.04	2.95
5750	70.66	3.02
5800	75.82	3.02
5850	72.08	2.98

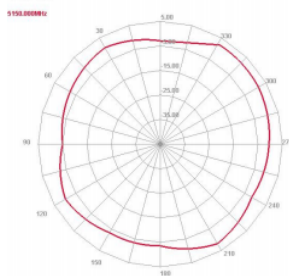
5150.000MHz



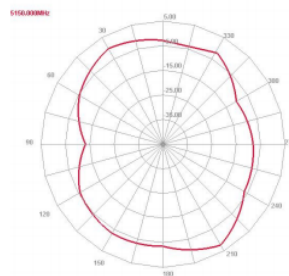
Horizontal



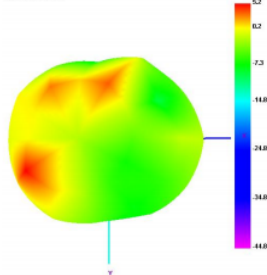
E1 Face



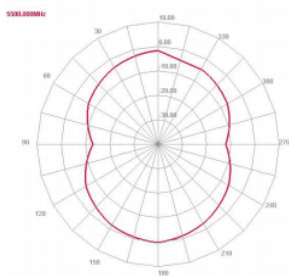
E2 Face



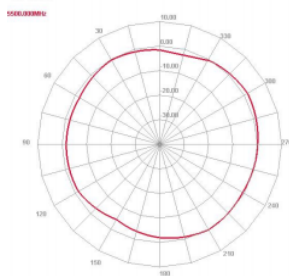
5500.000MHz



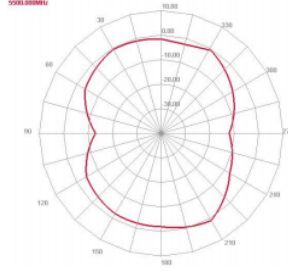
Horizontal



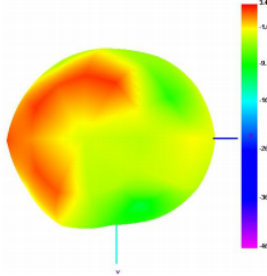
E1 Face



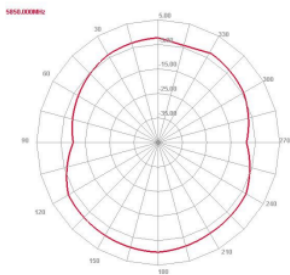
E2 Face



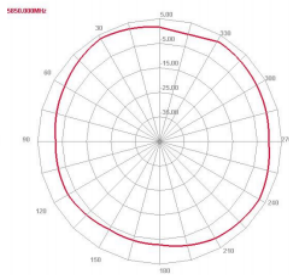
5850.000MHz



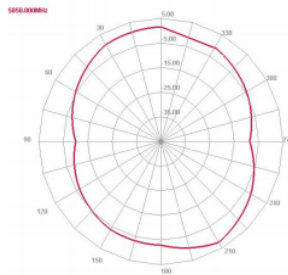
Horizontal



E1 Face



E2 Face





江阴凯博通信科技有限公司

JiangYin KaiBo Communication Technology CO.,LTD.

Product Specification)

Customer Name:
KB type:
Part spec: RF1.37 (50Ω)
Version No.: A.0
Date:2022.11.01

Signed by		Approved by	
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ECN. NO	Version No.	Content of change	Signature	Date

Here are the customer to fill in no matter decision qualified , please confirm and sign this specification back to our company ,thanks!

Judge: ☐ Qualified ☐ Unqualified	Sign
Feedback:	

JiangYin KaiBo Communication Technology CO.,LID.

		6~8 GHz	≤1.5
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3.2 Mechanical characteristics

Item	Unit	Details
Min.bending radius static	mm	7
Operating temperature	℃	-55 to 200
Teflon Shrink	mm	

4. nvironment-Friendliness

*Compliance “○”

RoHS Directive							
Lead Free	Hg Free	Cd Free	Cr6+ Free	PBB Free	PBDE Free	PVC Free	Halogen Free
○	○	○	○	○	○	○	○

Remark:

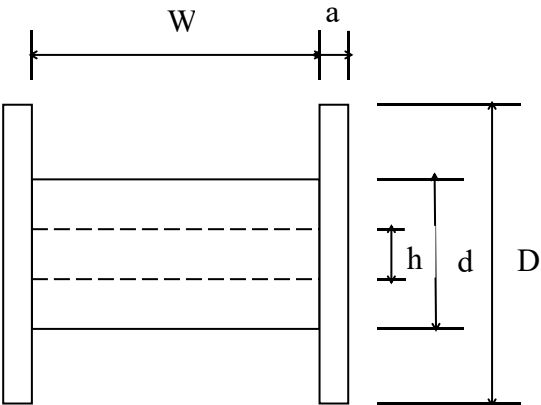
① Halogen Free : Cl 、 Br

The scope of Halogen is not including Fluorin resin.

5. Packing

Standard unit for the 1000m/reel length of packaging, each set up to allow 5 joints,the joint shortest

length of 10m,The finished cable shall be packed not be damaged during transportation.



Unit: 毫米/mm

Item	D	d	W	a	h
P-270	270	195	65	5	25

- Dimension of packing carton :
- Unit: 6 Reels/box

JiangYin KaiBo Communication Technology CO.,LTD.

6.Notice of application

Please store the cable in the dry and cool place, suggest the store conditions as follows:

Temperature:20-30℃, Humidity: <60%

The best preservation period is 3 months. The tin effect on the conductor becomes worse after 3 months, but the electrical performance is basically not affected. In high temperature and high humidity environment in summer, the stripping wire should be transferred as soon as possible to avoid conductor oxidation

When peeling the insulation, please be care of not breaking the inner conductor

When assembling suggest the tinned plated conditions as follows:

Temperature:255±5℃, dip time:1-2s.

And do not immerge the insulation and jacket into tin. Because too high temperature and Too long time will cause the insulation and jacket softening and shrinking.

When assembling please do not damage the insulation, otherwise short circuit between inner

Conductor and outer conductor will be caused.

Please don' t use some organic compound wash the cable

When tearing the packing, please do not use the sharp tools to avoid damaging the cable in the bag.

This products is not suitable for automobile application in some cases . Please contact with our sales office before you use this product.