

Product Number: 10201040099

Product Name: Antenna

Specification For Approval

Date: 2025-12-09

File No.: 251209001

Version: 1.1

Customer : MS

Customer P/N : 10201040099

JiuMao P/N : 10201040099

2.4G copper tube antenna, 1.13 gray line, total length 92mm + IPEX
Description : 2.4G铜管天线 1.13灰色线总长92mm+IPEX

JiuMao Checked By :

Customer Approved By:



东莞久茂电子有限公司

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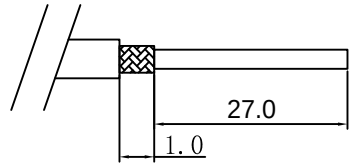
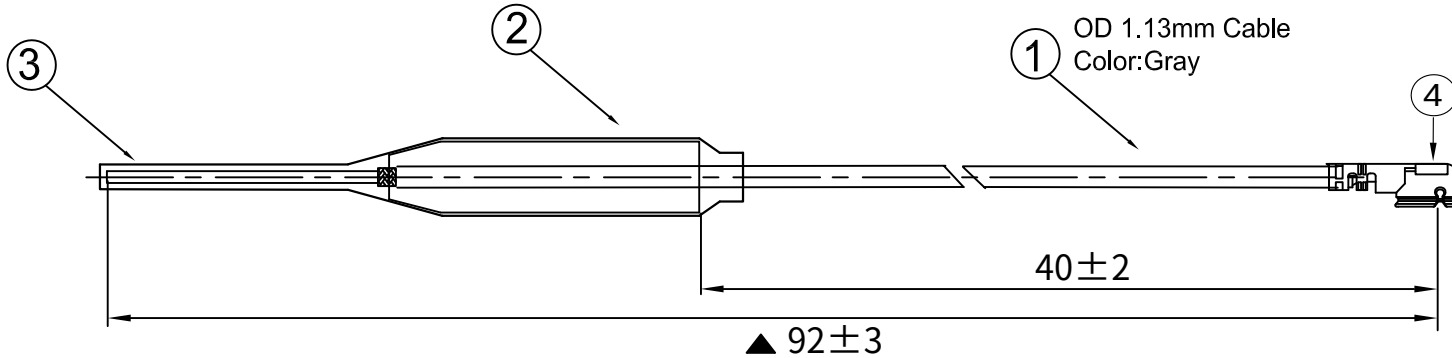
规格表 Specification

A.Electrical Properties	
Frequency Rang 频段范围	2400~2500MHz
Impedance 特性阻抗	50Ω Nominal
VSWR 电压驻波比	2.0 Max.
Gain(peak) 增益（峰值）	3.0 dBi
Out of roundness 不圆度	3.0 dBi（Max.）
Radiation 辐射方式	Omni-Directional 全向
Polarization 极化方式	Linear Vertical 垂直
B.Physical Properties	
Connector Type 连接方式	IPEX
Cable Type 线材	OD:1.13mm CABLE
Antenna Body 天线本体	BRASS
C.Environmental	
Operating Temp 工作环境	-40℃ ~ +65℃
Storage Temp 存储环境	-40℃ ~ +80℃

产品结构尺寸图 Product structure size chart

ROHS

REV.	CONTENT	DATE
A	首次发行	2023-06-19
B	更新	2025-12-09



Cu STRIPPING DIM'S

备注: The cable is RF1.13 grey cable with a characteristic impedance of 50 Ohm. Network test:重点:

1. 线材为RF1.13灰色线材, 特性阻抗为50 Ohm

网络测试:

测试频段: 2.4~2.5GHz; Test frequency band: 2.4 - 2.5 GHz

VSWR:2.0MAX

RETURN:-10 or Less

1. 裁线尺寸: 92.0mm

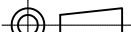
2. ▲为重点检验尺寸

3. 热缩套管需将铜管及芯线全部包住

1. Wire cutting size: 92.0mm -

2. This is the key inspection size.

3. heat shrink tubing should completely cover the copper wire and the core wire.

				东莞久茂电子有限公司		TITLE		2.4G WIFI ANTENNA				
						S. H P/NO		10201040099				
4	ipex	Brass Au Plated -1.13				TOLERANCE UNLESS OTHERWISE SPECIFIED		SIZE	DRAWN		CHECKED	APPROVED
3	Heat shrinkable	size: Ø 4.0mm L=57mm		1PC				A4	DJC			LQ
2	Copper pipe	Cu size: Ø 4.4*24.5mm		1PC		UNIT:mm	ANGLES ±0.5° X. ±2.0		2025-12-09		2025-12-09	
1	Cable	Ø1.13 mm Coaxial Cable, Coaxial line (Gray) L= 92.0mm		1PC		SHEET: 1/1	X. XX ±0.2 XX. ±5.0					
NO.	Name	Finished		Q'ty	SCALE: 1/1	X. X ±0.5 DATE:						
8		7		6	5	4		3		2		1

產品包裝規範
PACKING CRITERION

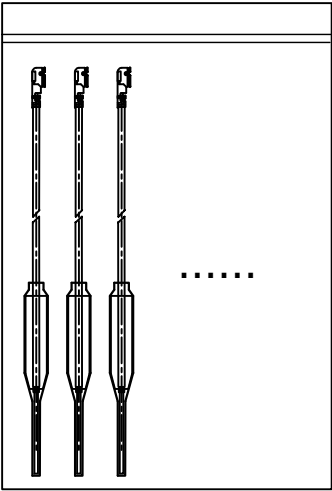
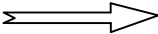


Date: 2025-12-09

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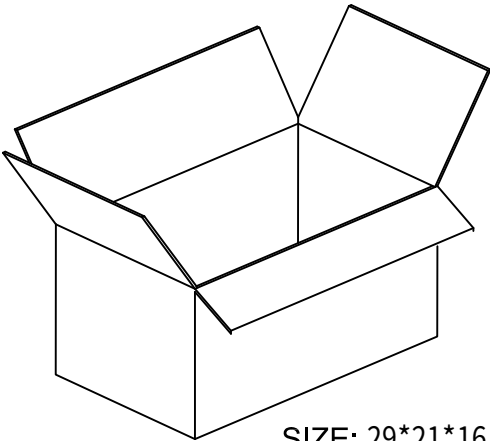
Part Number : 10201040099	Revision : A
Name: 2.4G Antenna	Customer : ALL

1.

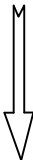


R-PE-BAG-220150006 100PCS/BAG

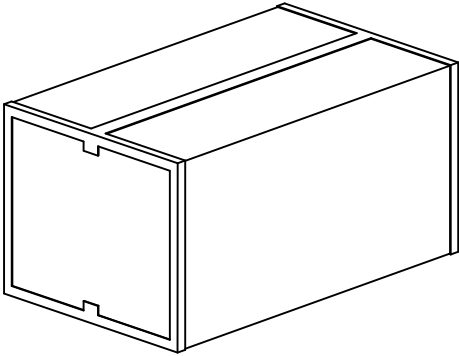
2.



SIZE: 29*21*16.5 CM
5000 PCS/BOX



3.



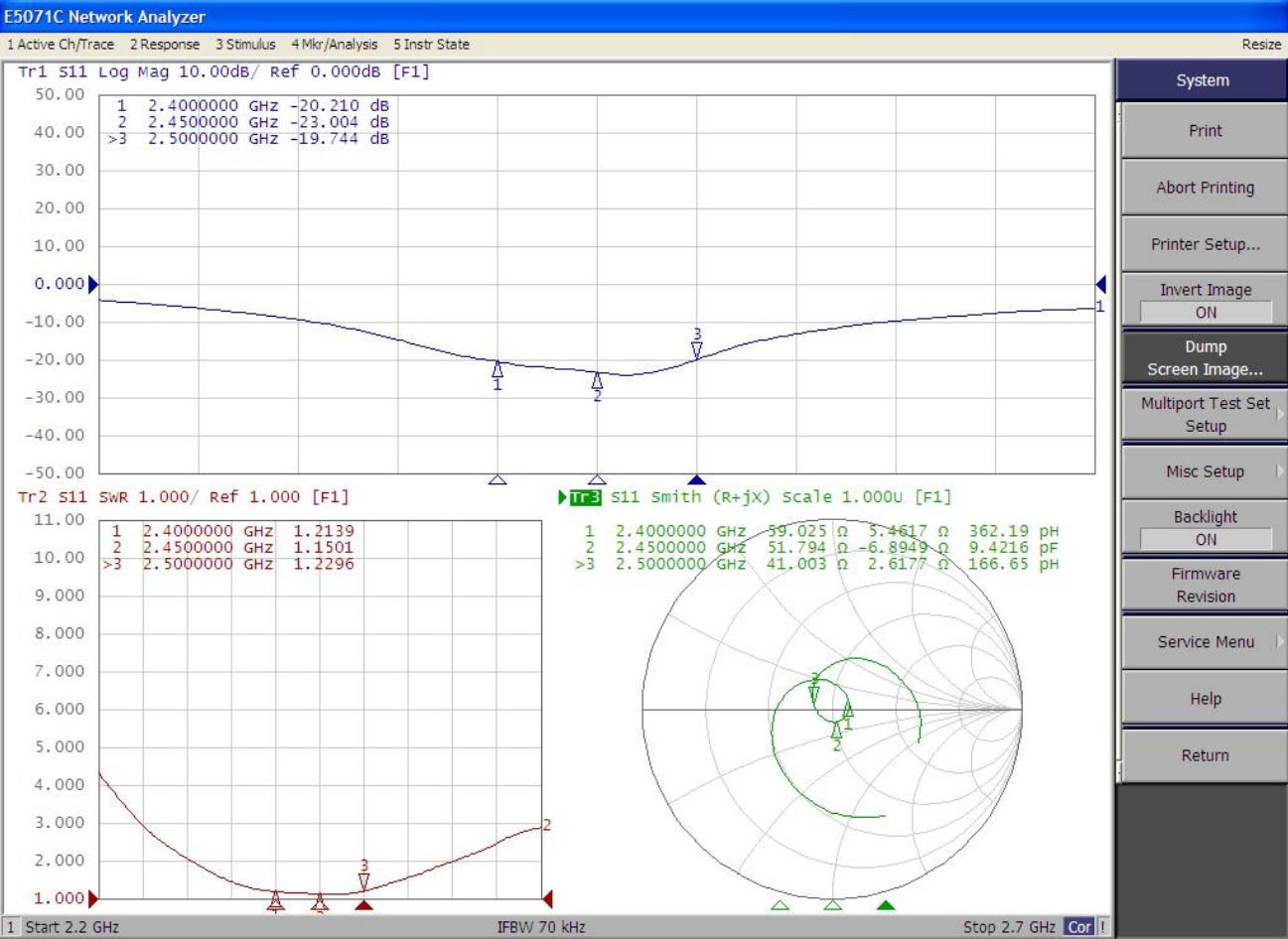
APPROVED BY : LQ

CHECKED BY : DJC

DESIGNED BY :

电性测试报告Electrical Test Report

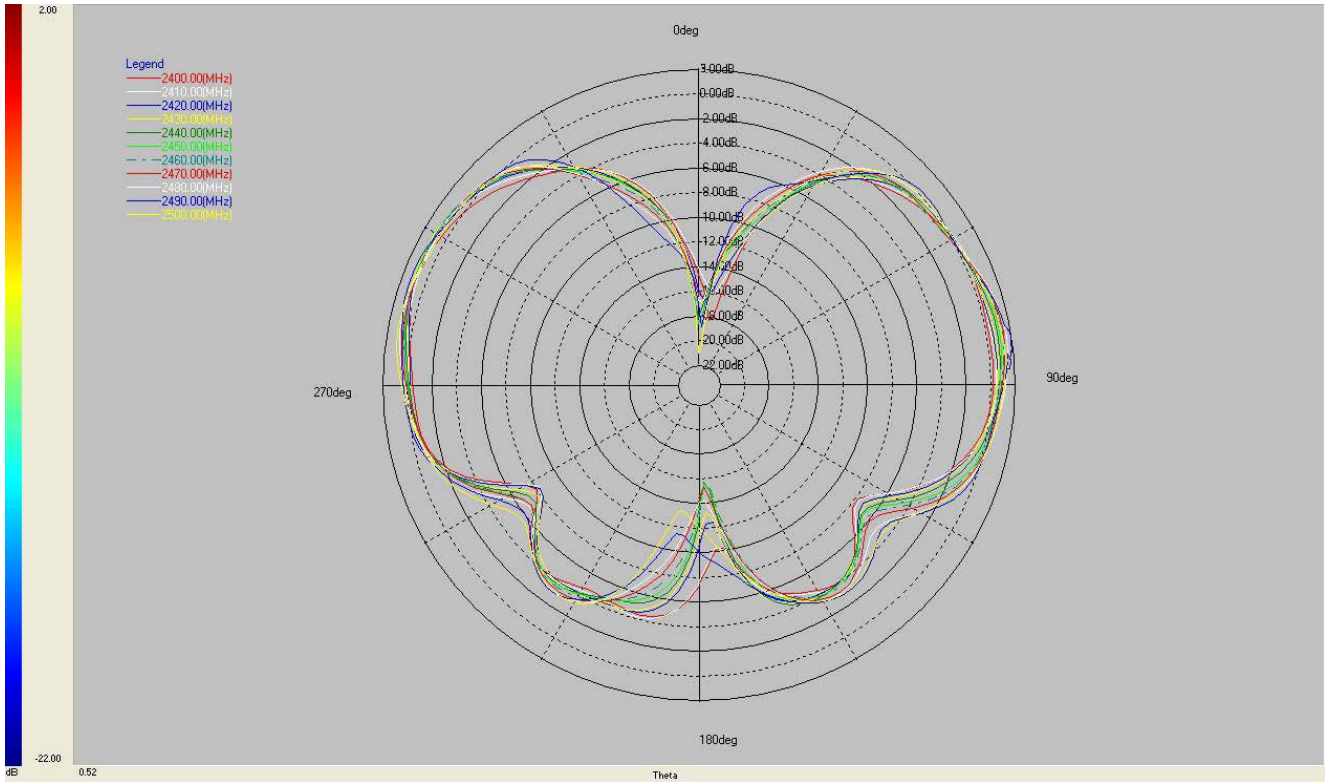
驻波图:



无源测试数据:
Passive test data:

Frequency(MHz)	Peak Gain (dBi)
2400	1.73
2450	1.89
2500	3.00

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线材结构参数及电气特性 Cable structure parameters, and electrical characteristics

1. 适用范围:

Scope
本规格书制定了 50Ω FEP 绝缘射频电缆 YD113 系列的结构和电气特性。
This specification covers the construction and the electrical properties of YD113 series of 50Ω FEP Insulation Coaxial Cable.

2. 结构/Construction: 单位/Unit:mm

项目/Item		详细资料/Details
导体/Conductor	材料/Material	镀锡铜线/Tinned Copper Wire
	构成(根/mm) Composition(No./mm)	7/0.083
	标称直径/NOM. O.D	0.24±0.03
绝缘层 /Insulation	材料/Material	聚全氟乙丙烯(自然色) /FEP(Natural)
	标称绝缘厚度/Nom. Thick. (mm)	0.23
	标称外径/NOM. O.D	0.695±0.03
屏蔽层/Shield	材料/Material	镀锡铜线/Tinned annealed copper wire
	构成/Composition	0.05单线编织/Single Braid of 0.05
护套/Jacket	材料/Material	聚全氟乙丙烯/FEP
	标称护套厚度/ Nom. Thick (mm)	0.10
	标称外径/Nom. O.D (mm)	1.13±0.05
	颜色/Color	按与客户确认的颜色/According to corresponding have approved by the suppliers and customers

3. 电气特性(20℃时)/Electrical Properties(at 20℃)

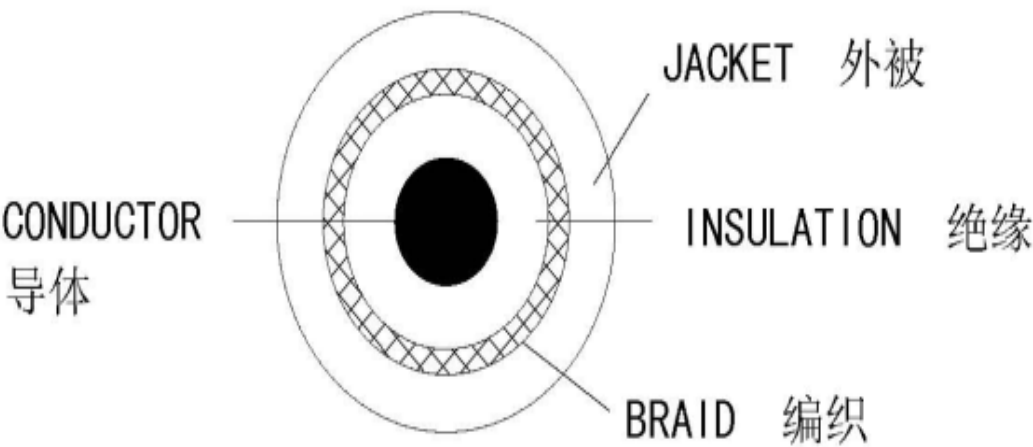
项目/Item	单位/Unit	详细资料/Details
导体电阻/Conductor Resistance	Ω/km	Max. 560
绝缘电阻/Insulation Resistance	MΩ.km	Min. 200
耐压强度/Dielectric Strength	V(AC)/min	1000
静电容/Capacitance	pF/m	98
特性阻抗 /Characteristic Impedance	Ω	50±2.0

衰减/Attenuation	dB/m	1GHz	2.20
		2GHz	3.15
		3GHz	3.90
		4GHz	4.60
		5GHz	5.20
		6GHz	5.70
驻波比/Standing wave(0-6GHz)	/	≤1.35	

4. 包装 Packing

标准单位包装长度为 1000 米/盘, 每盘最多允许 5 个接头, 接头最短长度 20 米, 在搬运过程中不能损坏包装.

Standard unit length of finished cable shall be 1000m on reel, frequency of joint max.5/reel, the mini length is 20m. The finished cable shall be packed not be damaged during transportation



本产品有时不适合车载用途的情况也有,所以使用前请先和本公司业务部门进行商谈.
This product is not suitable for automobile application in some cases.Please contact with our sales department before you use this product.
