

产品规格书

PRODUCT SPECIFICATION

Customer: Actions Microelectronics Co., Ltd.

Customer’s part number: RBT-WIFI-524-004-2P5-R

Product description: 2.4G/5G Dual Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.
No. 206, Lane 1, District 1, Haibin New Village, Gushu Community, Xixiang
Street, Bao'an District, Shenzhen, Guangdong

1、产品技术指标（PRODUCT TECHNICAL SPECIFICATION）

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500/5150-5350/5700-5850
频带宽度 Bandwidth (MHz)	2.4G: 100 5G: 350
输入阻抗 Input Impendence (Ω)	50
电压驻波比 V.S.W.R	≤2.0
增益 Gain (dBi)	2.4G: <3.04 5.1G: <2.22 5.8G: <2.12
极化形式 Polarization Type	垂直 Vertical
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	21.5*3.5*4.5mm
辐射体 Radiator	Steel
连接器型号 Connect Type	DIP
工作温度 Working Temp(°C)	-20~90
储藏温度 Storage Temperature(°C)	-40~95

外壳颜色 Radome Color	Silver
重量 Weight (g)	0.5

产品简介 Product introduction:

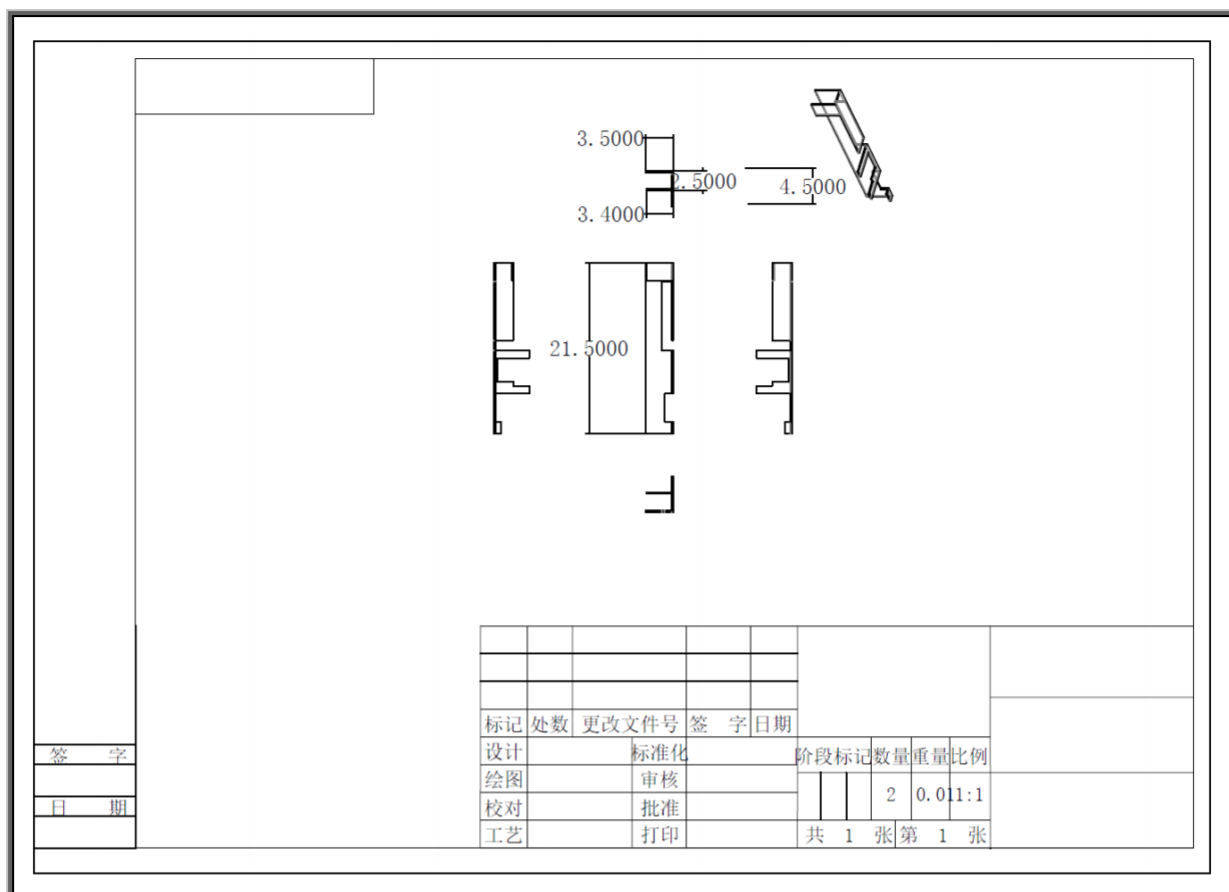
该天线是专为无线内置天线设备设计生产的，天线具有外形美观，结构小巧，安装方便的优点。材质使用不锈钢镀镍，硬度足够。

The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has the advantages of beautiful appearance, compact structure and convenient installation. The material is nickel-plated stainless steel with sufficient hardness.

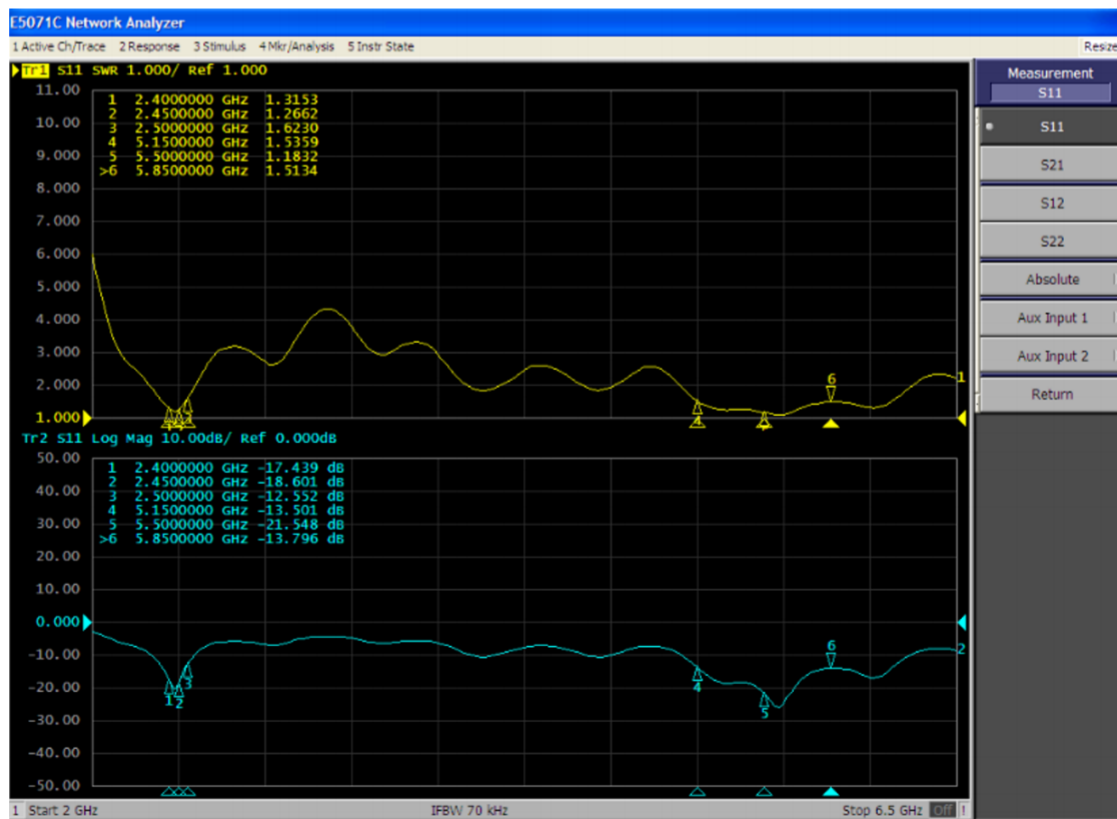
2、产品图片（PRODUCT PICTURE）



3、产品规格图(PRODUCT SPECIFICATION CHART)



4、驻波图（STATIONARY WAVE PATTERN）



5.增益效率值 Gain and Efficiency:

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	3.04	2.08	2.18	2.16	2.08	1.97	2.23	2.20	2.30	1.95	2.01
Efficiency (%)	56.40	61.23	54.23	56.21	49.45	57.12	56.43	51.78	57.23	52.02	48.54

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
2.01	1.93	2.22	1.56	1.23	1.45	1.32	1.87	1.67	2.01	2.12	1.98	1.78	2.08	2.12
48.20	49.10	52.10	49.67	49.21	36.56	52.11	48.76	45.65	39.23	45.62	48.76	51.22	49.12	45.78

6.场型图 Field Pattern:

