

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.

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 Impedence (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($^{\circ}\text{C}$)	-20~90
储藏温度 Storage Temperature($^{\circ}\text{C}$)	-40~95

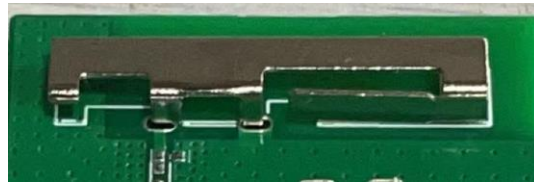
外壳颜色 Radome Color	Silver
重量 Weight (g)	0.5

产品简介 Product introduction :

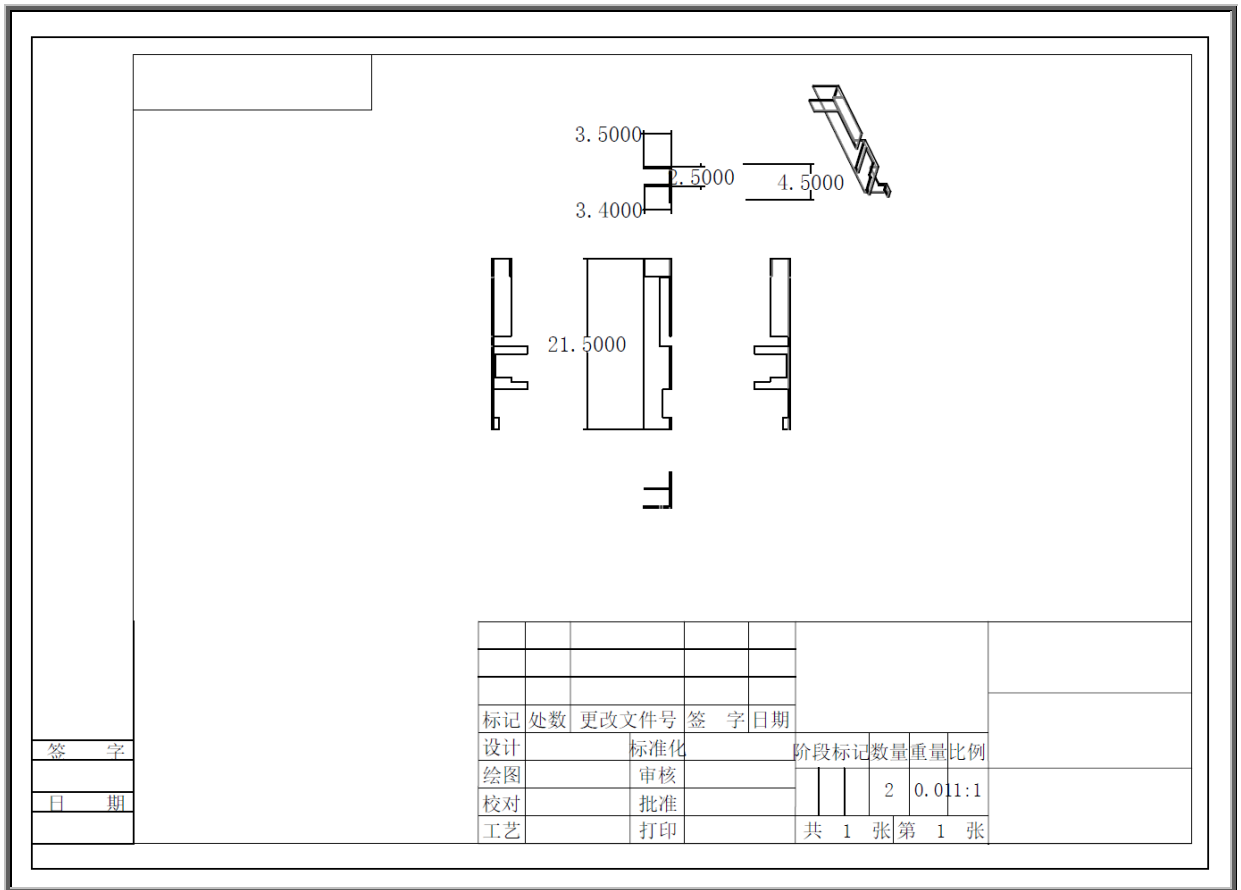
该天线是专为无线内置天线设备设计生产的，天线具有外形美观，结构小巧，安装方便的优点。材质使用不锈钢镀镍，硬度足够。

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.

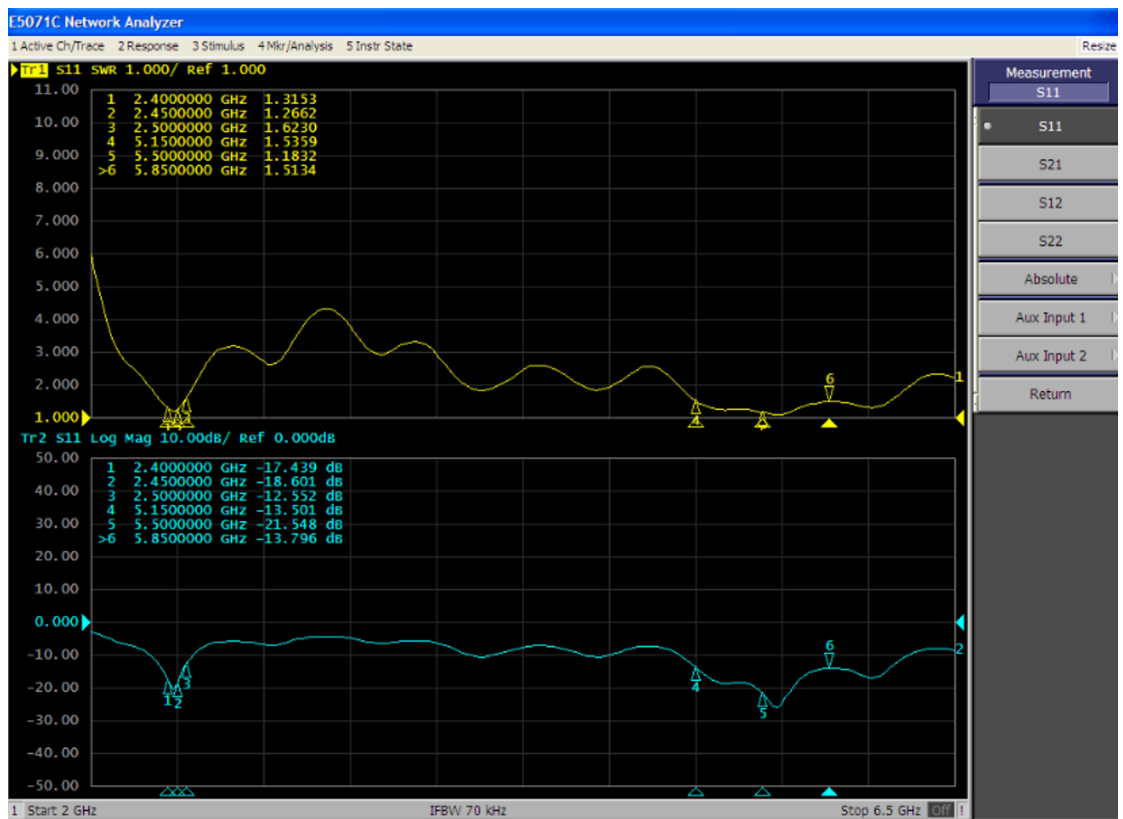
2、产品图片 (PRODUCT PICTURE)



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:

