

产品规格书

PRODUCT SPECIFICATION

Customer: Shenzhen Julei Northern Microelectronics Co., Ltd.

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

Antenna type: Internal Antenna

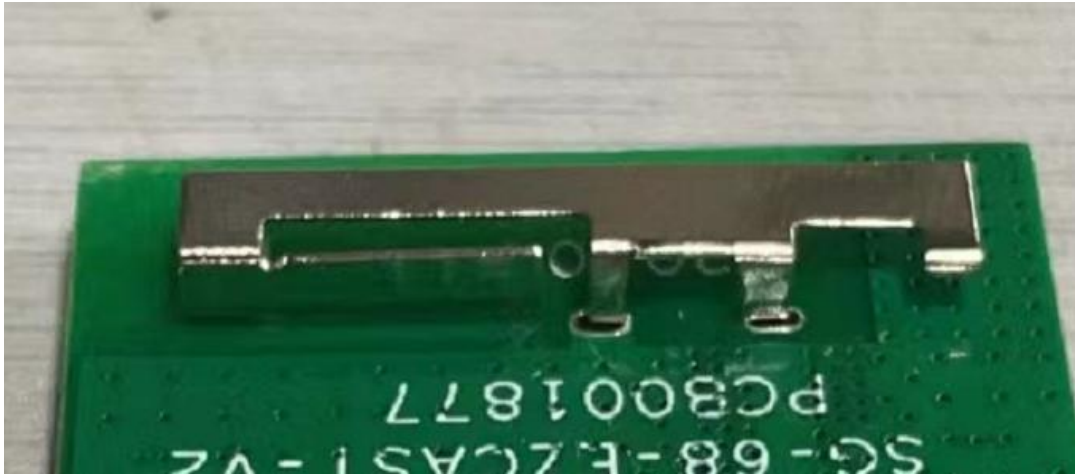
1、产品技术指标（PRODUCT TECHNICAL SPECIFICATION）

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
极化形式 Polarization Type	垂直 Vertical
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)21.5*2.5*4.5mm	
辐射体 Radiator	Nickel-plated steel sheet
天线类型 Antenna Type	PIFA
连接器型号 Connect Type	DIP
工作温度 Working Temp(°C)	-20~85
储藏温度 Storage Temperature(°C)	-40~90
外壳颜色 Radome Color	silver
重量 Weight (g)	0.5

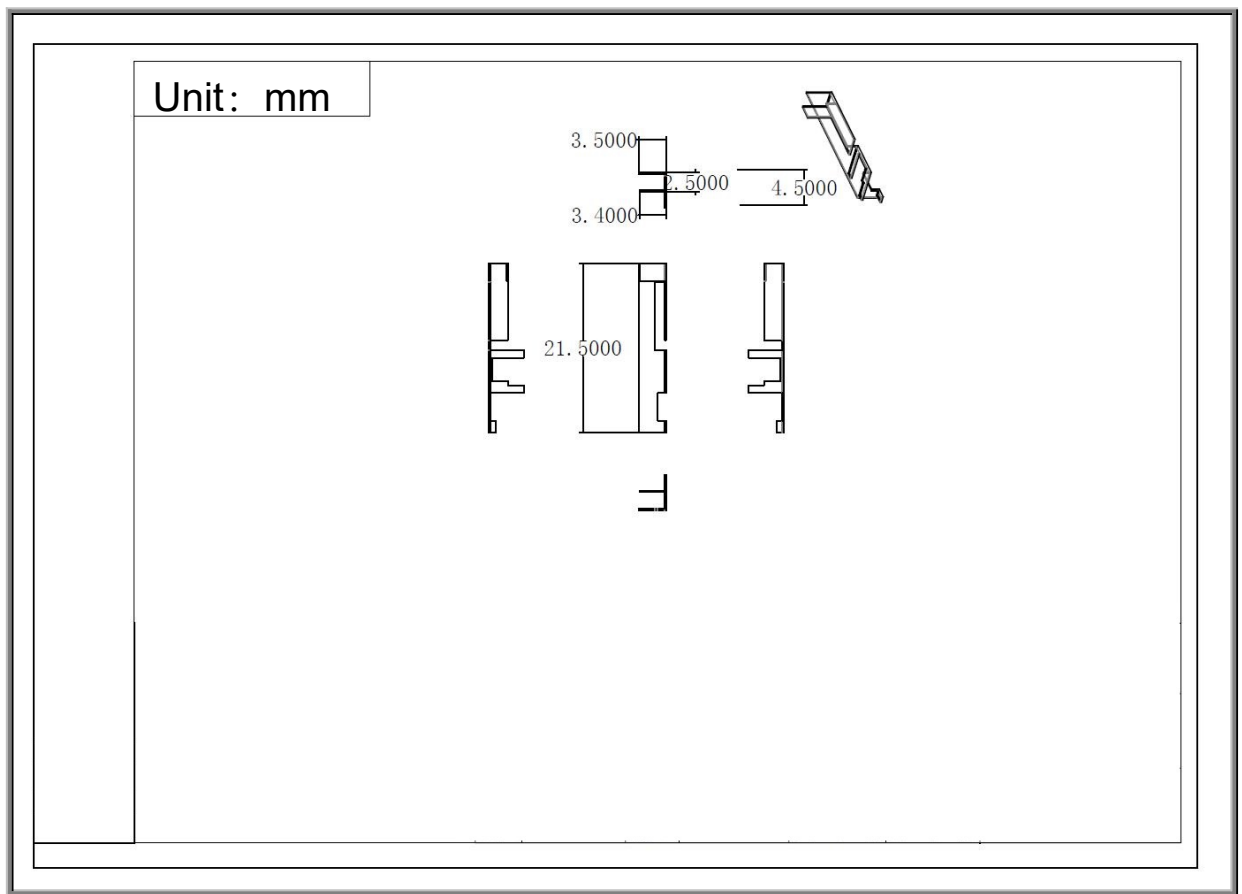
Product Description

This antenna is specifically designed and manufactured for wireless built-in antenna devices. It features an attractive appearance, compact structure, and easy installation. Made of nickel-plated stainless steel, it offers sufficient hardness.

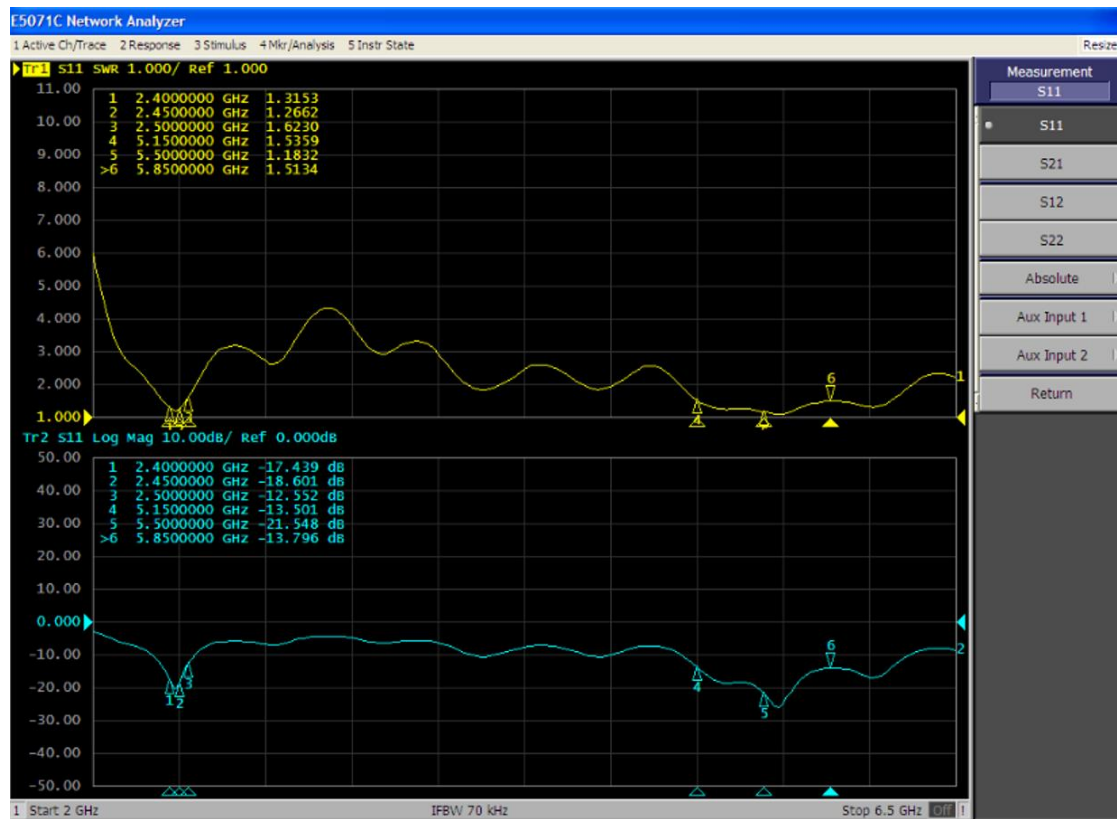
2、产品图片（PRODUCT PICTURE）



3、产品规格图(PRODUCT SPECIFICATION CHART)



4、驻波图（STATIONARY WAVE PATTERN）

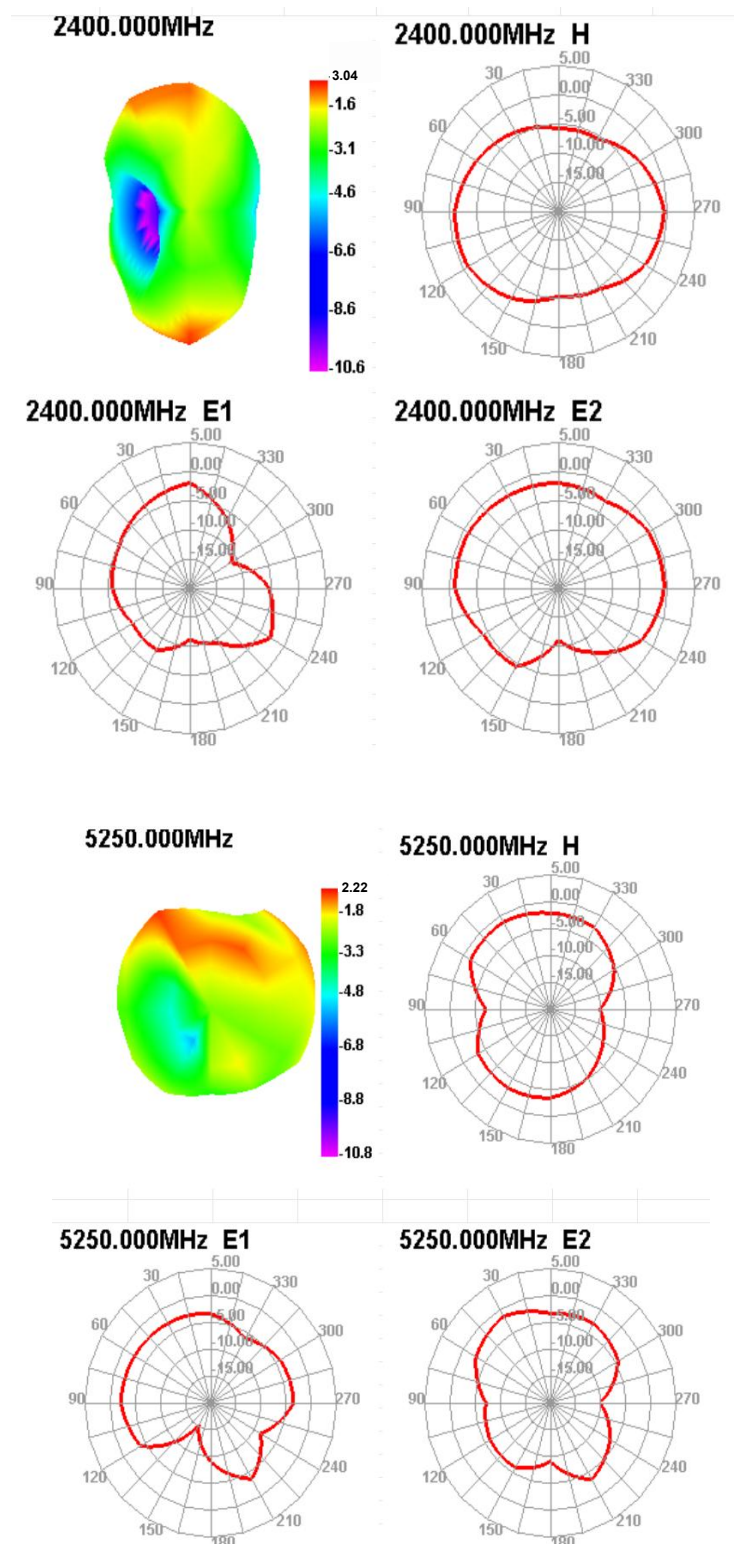


5. Gain efficiency value:

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.Field type diagram



5th floor, east side, Room 501, Building A2, Maialong Industrial Park, Nanshan District, Shenzhen City