

产品规格书

PRODUCT SPECIFICATION

Customer: Shenzhen Xianzhi IOT Technology Co., Ltd.

Customer’s part number: ANT000087

Product description: 5G Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

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

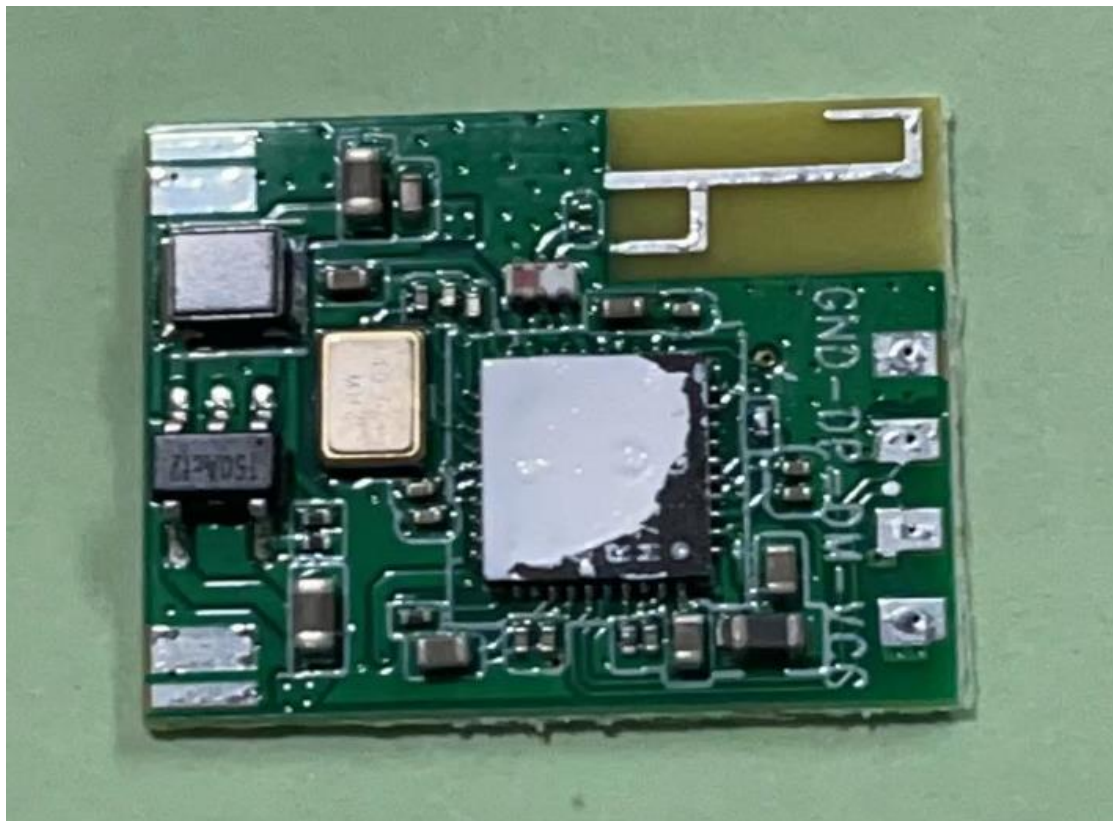
电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	5150-5850
频带宽度 Bandwidth (MHz)	5G: 700
输入阻抗 Input Impedence (Ω)	50
电压驻波比 V.S.W.R	≤2.0
增益 Gain (dBi)	2.0dBi
极化形式 Polarization Type	垂直 Vertical
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	7.1*3.4*0.5mm
辐射体 Radiator	Copper
连接器型号 Connect Type	NC
外壳颜色 Radome Color	Silver
重量 Weight (g)	0.02

产品简介 Product introduction:

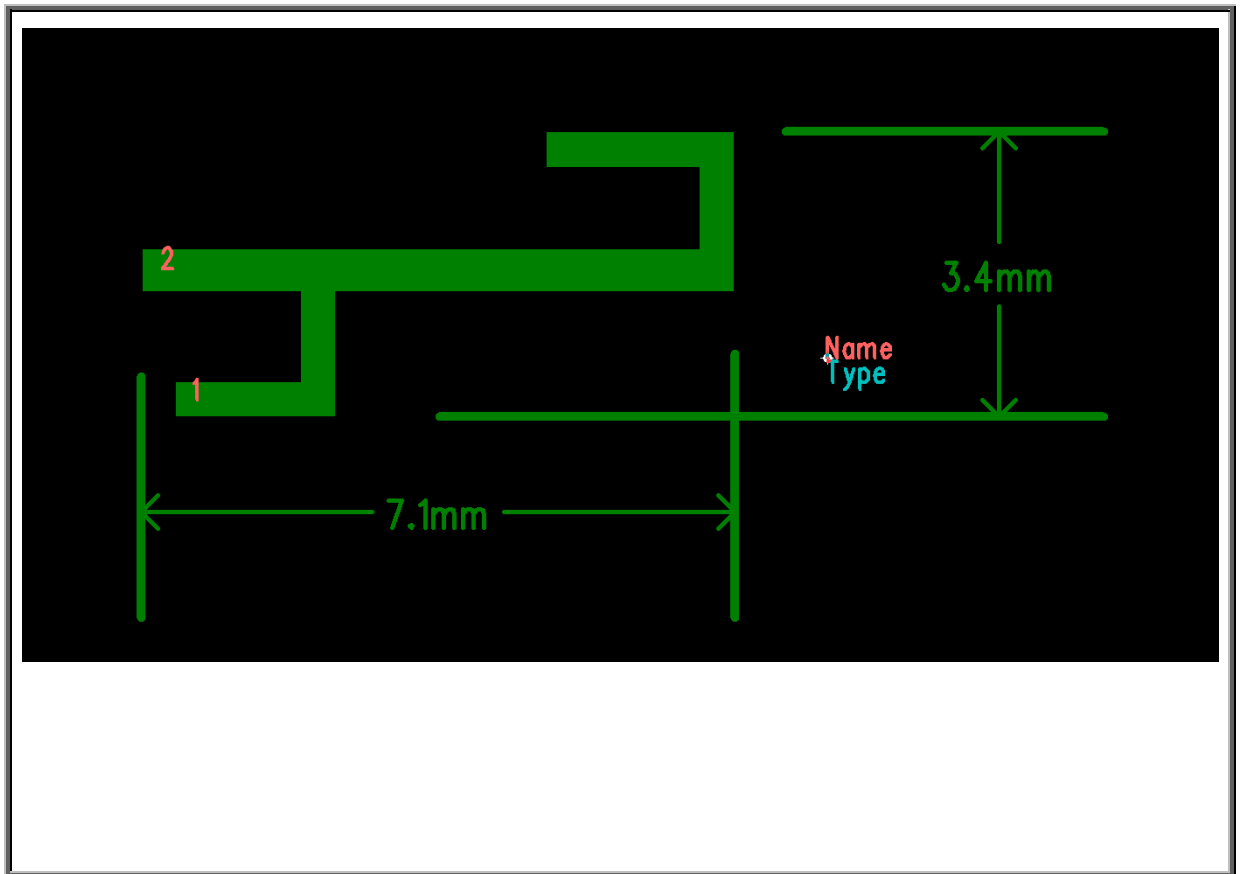
该天线是专为无线内置天线设备设计生产的，天线具有外形美观，结构小巧，一致性高，成本低廉。

The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has beautiful appearance, small structure, high consistency and low cost.

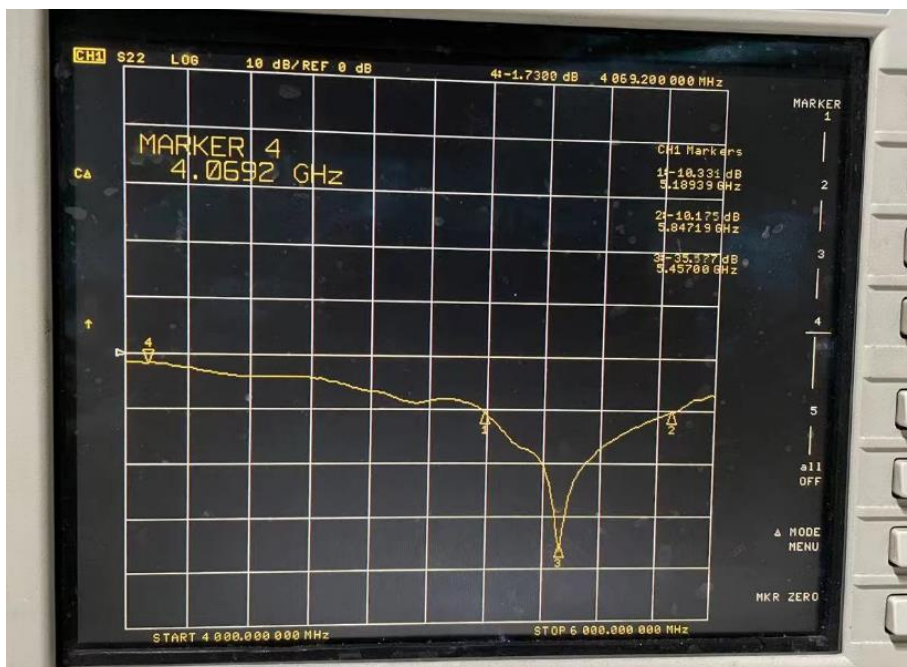
2、产品图片（PRODUCT PICTURE）



3、产品规格图(PRODUCT SPECIFICATION CHART)



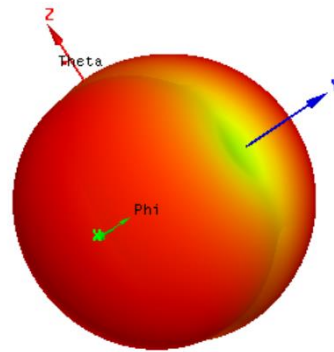
4、驻波图（STATIONARY WAVE PATTERN）



5.增益效率值 Gain and Efficiency:

Antenna Parameters:								
Quantity	Freq	Value	Freq	Value	Freq	Value	Freq	Value
Max U	5.15GHz	0.0013185 W/sr	5.2GHz	0.0013417 W/sr	5.25GHz	0.00133 W/sr	5.3GHz	0.0012894 W/sr
Peak Directivity		1.3641		1.3956		2.0265		2.0566
Peak Gain		1.6944		1.7261		1.7571		2.0084
Peak Realized Gain		1.657		1.686		1.6714		1.6203
Radiated Power		0.0084363 W		0.0084488 W		0.0082477 W		0.0078783 W
Accepted Power		0.0097792 W		0.0097677 W		0.0095119 W		0.0090655 W
Incident Power		0.01 W		0.01 W		0.01 W		0.01 W
Radiation Efficiency		0.86268		0.86496		0.86709		0.86904
Front to Back Ratio		N/A		N/A		N/A		N/A

6.场型图 Field Pattern



5.25G