

SPECIFICATION

CUSTOMER :

CUSTOMER PART NO:

SUPPLIER PART NO: DAI2400-2500_W04A

DESCRIPTION: 3*3*4mm /SMD Antenna/2400-2500MHz



Customer Signature:

Customer Seal:

Supplier Signature:

Supplier Seal:

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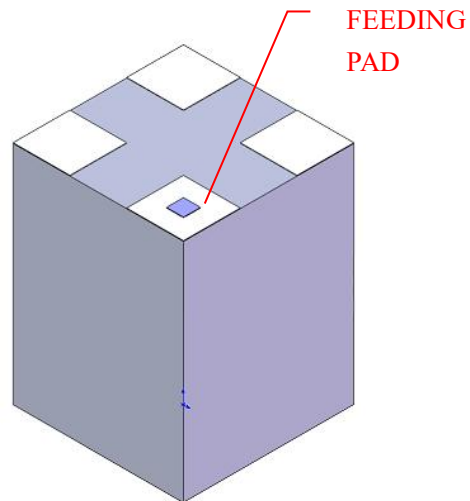
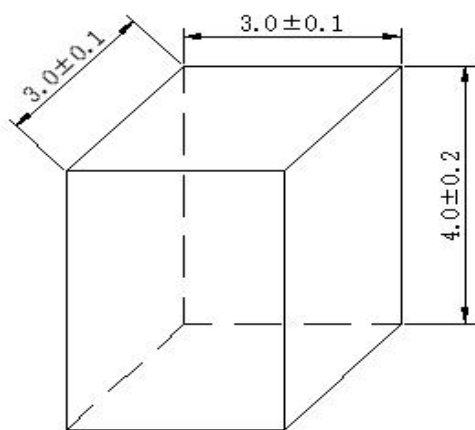
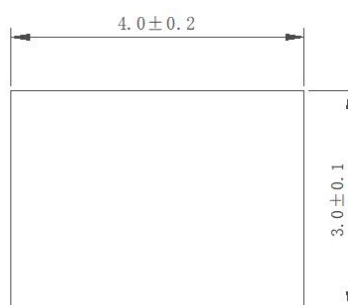
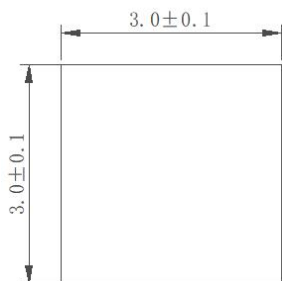
1. 结构及材料 Structure and Material
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1. 结构及材料 Structure and Material

表 1

No.	Description	名称	Structure and Material	结构及材料
4.1	Antenna Substrate	天线基片	Dielectric Ceramics	介质陶瓷
4.2	Electrode	电极	Ag Plated	镀银
4.3	Ground Base	接地面	Ag Plated	镀银

2. 外形尺寸 Dimension、



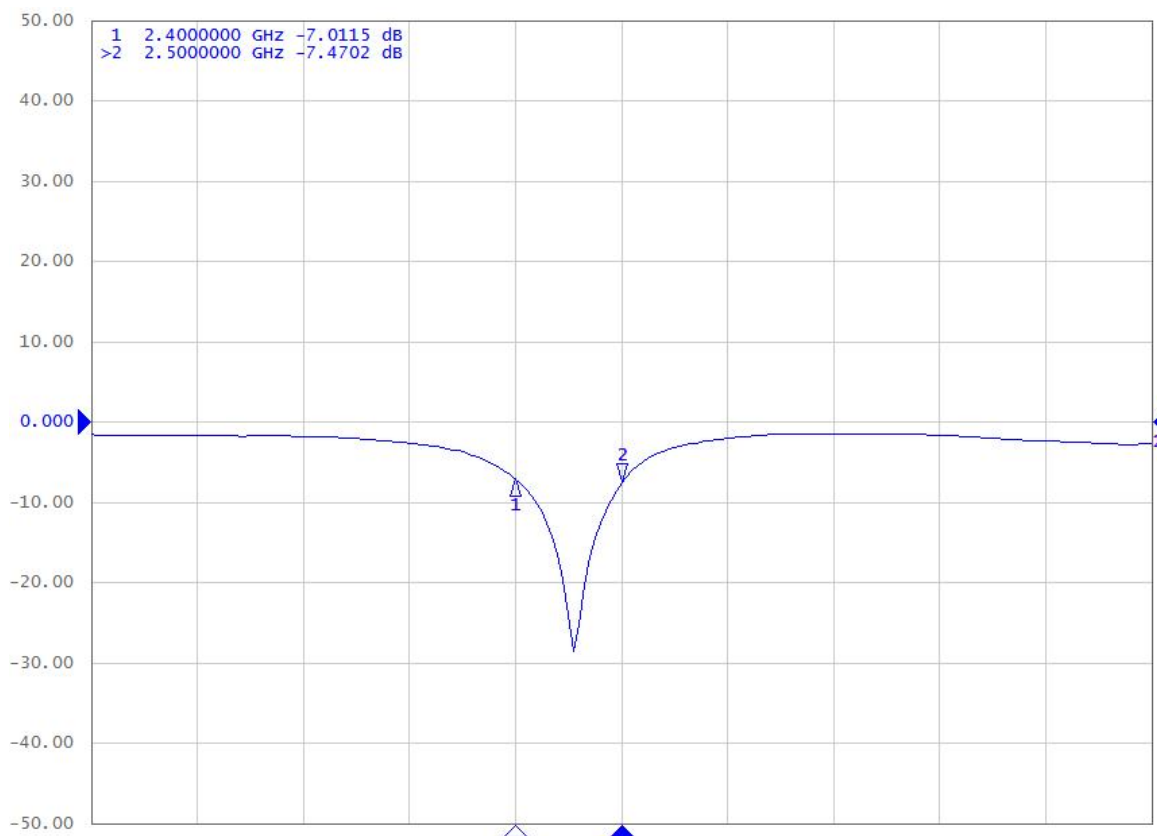
3D VIEW

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3. 电气性能 Electrical Characteristics

No.	Item (项目)	Specifications(特性)
3.1	频率范围 Frequency Range	2400-2500MHz
3.2	回波损耗 Return Loss	$\leq -5\text{dB}$
3.3	增益 Peak Gain (Max)	4.0 dBi
3.4	平均效率 Average Efficiency	$\geq 70.0\%$
3.5	特性阻抗 Imedance (Ω)	50
3.6	偏振方式 Polarization	线极化 Linear polarization
3.7	工作温度 Operating Temperature t	$-40\sim 85^{\circ}\text{C}$

4. 特性曲线 Characteristic curve



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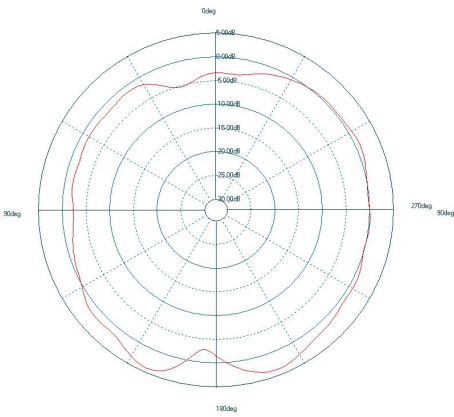
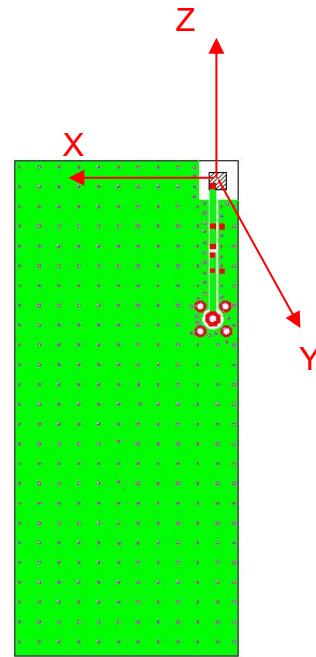
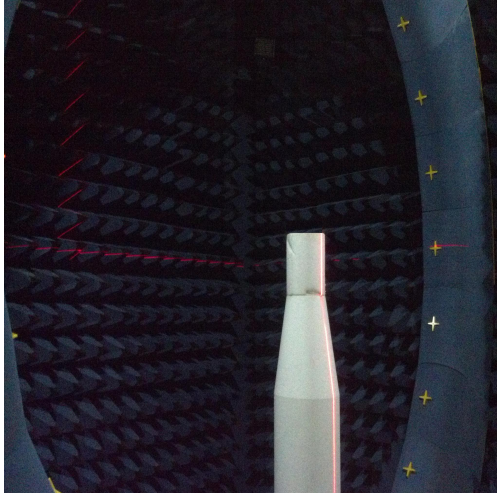
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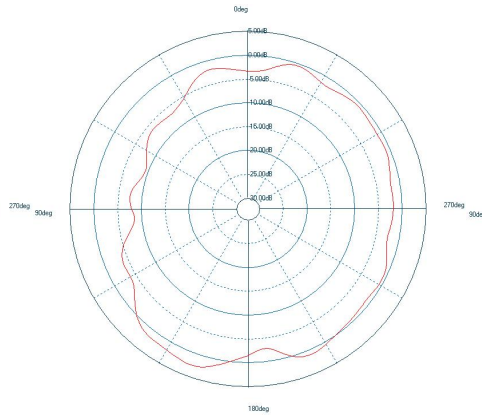
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5. 方向图 Radiation Pattern

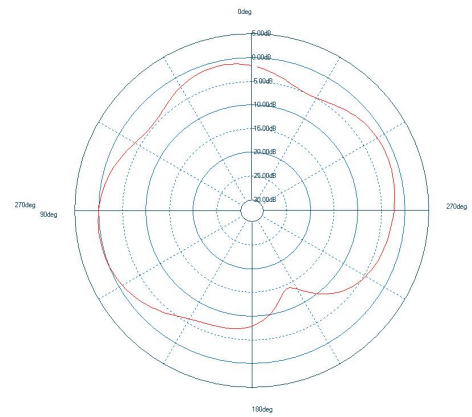
5.1 Antenna Radiation Patterns



XY -2400M



XY -2400M



XY -2400M

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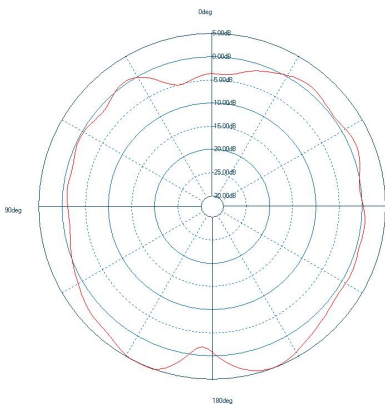
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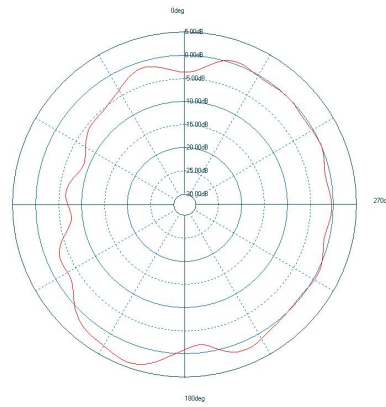
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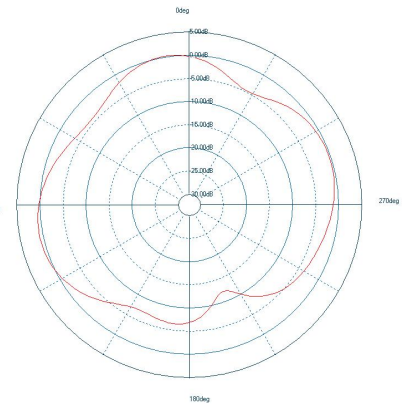
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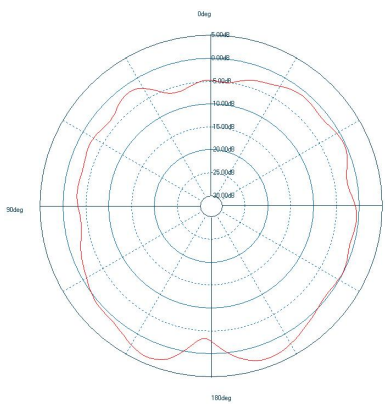
XY -2450M



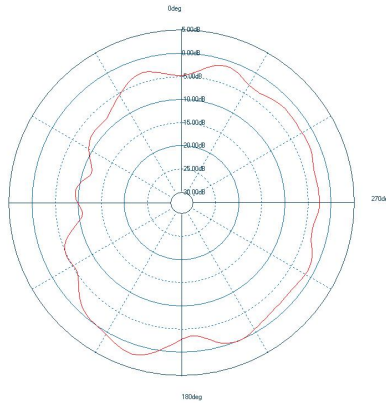
XY -2450M



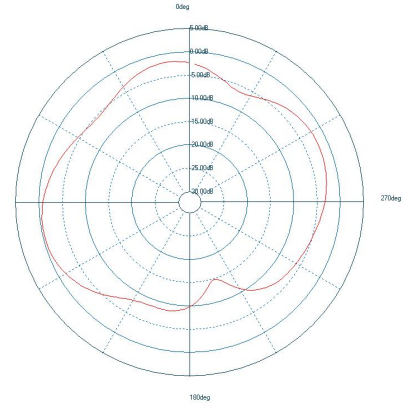
XY -2450M



XY -2500M

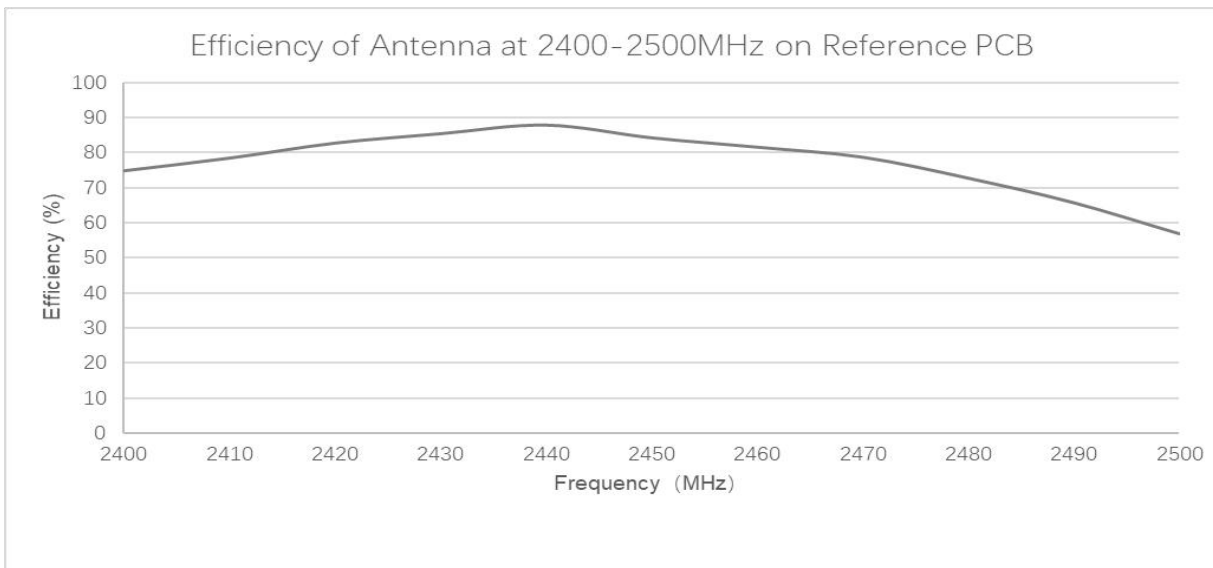


XY -2500M



XY -2500M

5.2 Efficiency



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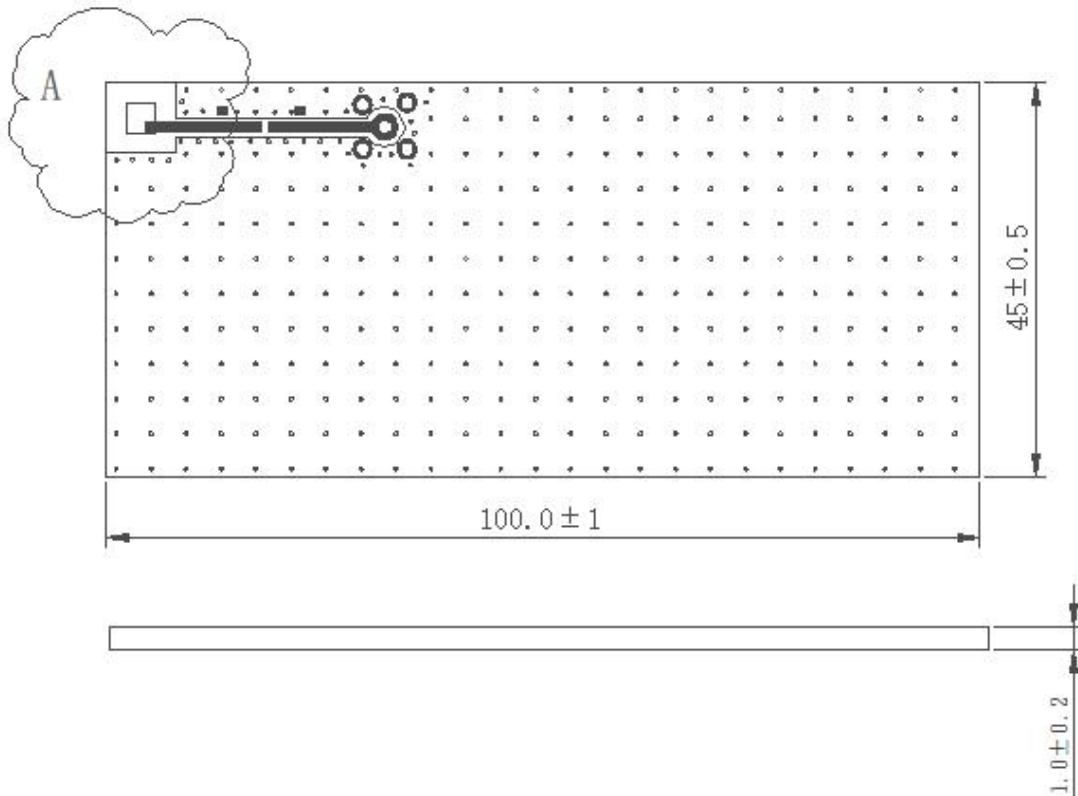
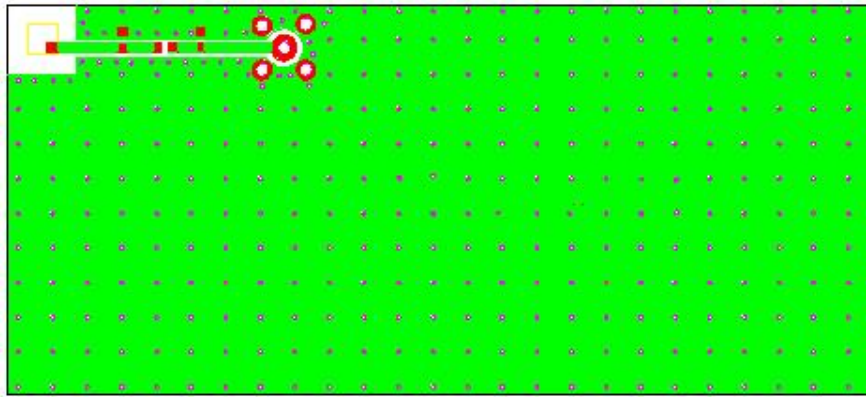
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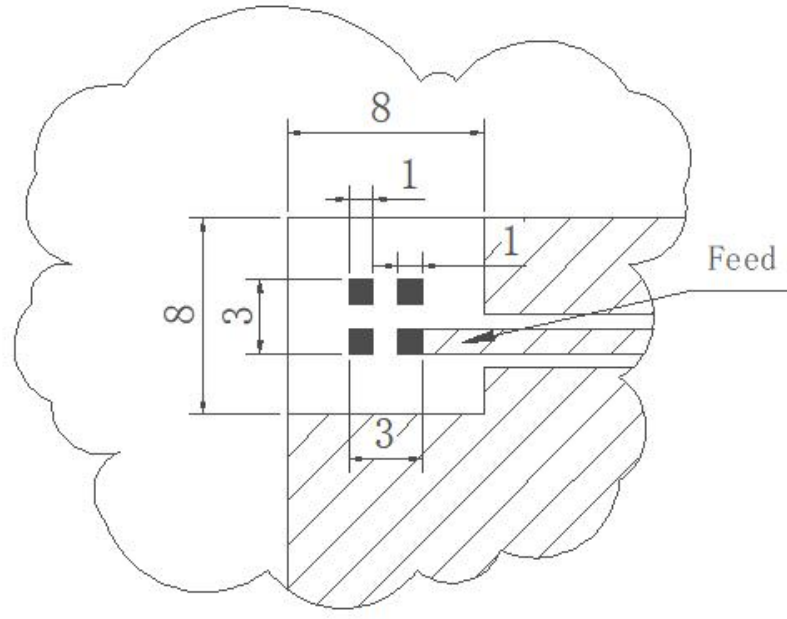
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6. PCB 布局要求 PCB layout requirements



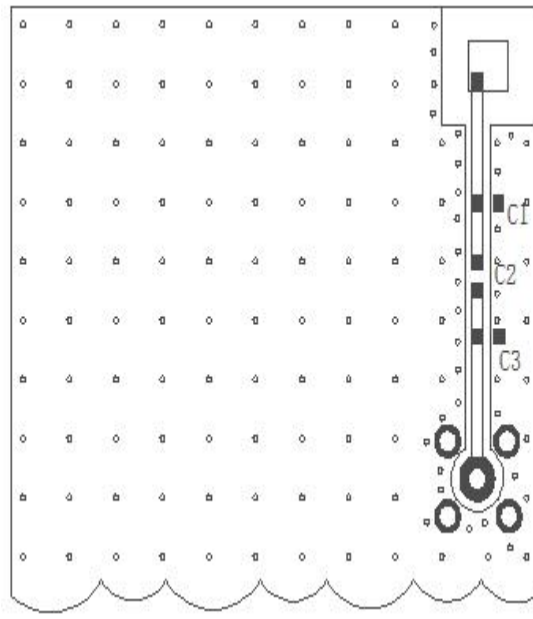
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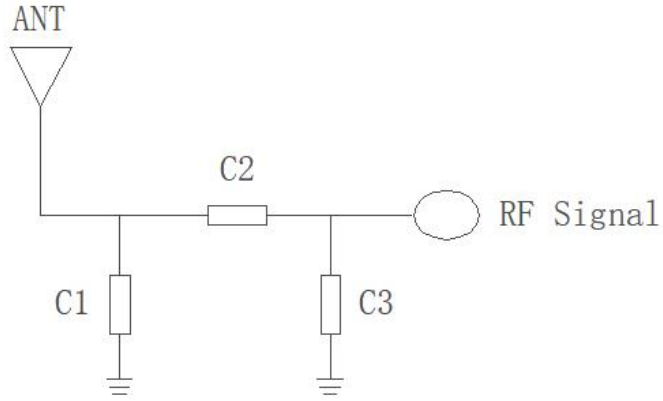
-  Solder Area
-  Copper Area
-  Ground place area

Detail A
Scale 1:1

7. 电路匹配 matching circuit



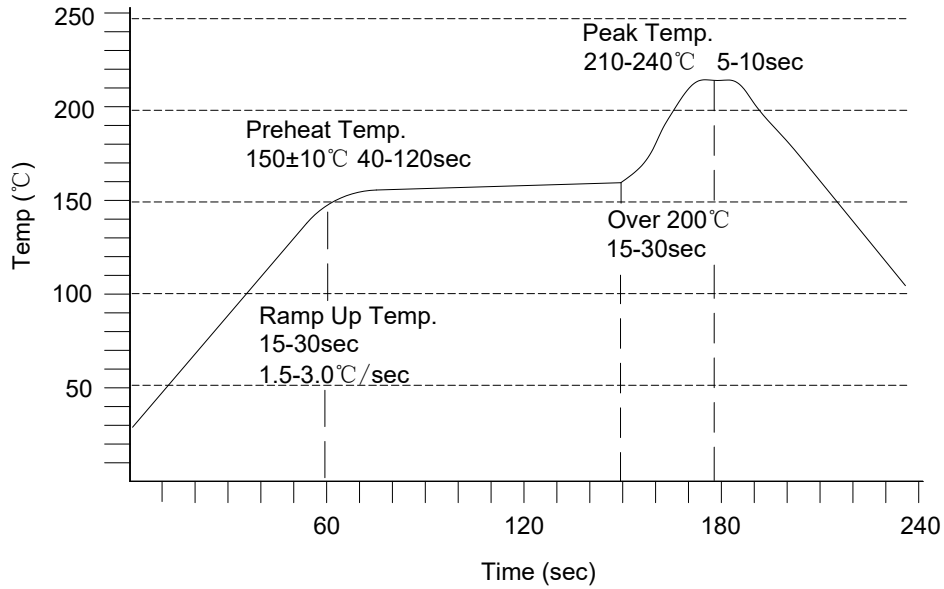
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component	Spec
C1	NA
C2	1P
C3	NA

8. 回流焊曲线 Soldering Profile

Solder Paste : Ag/Sn/Cu:96.5/3.0/0.5



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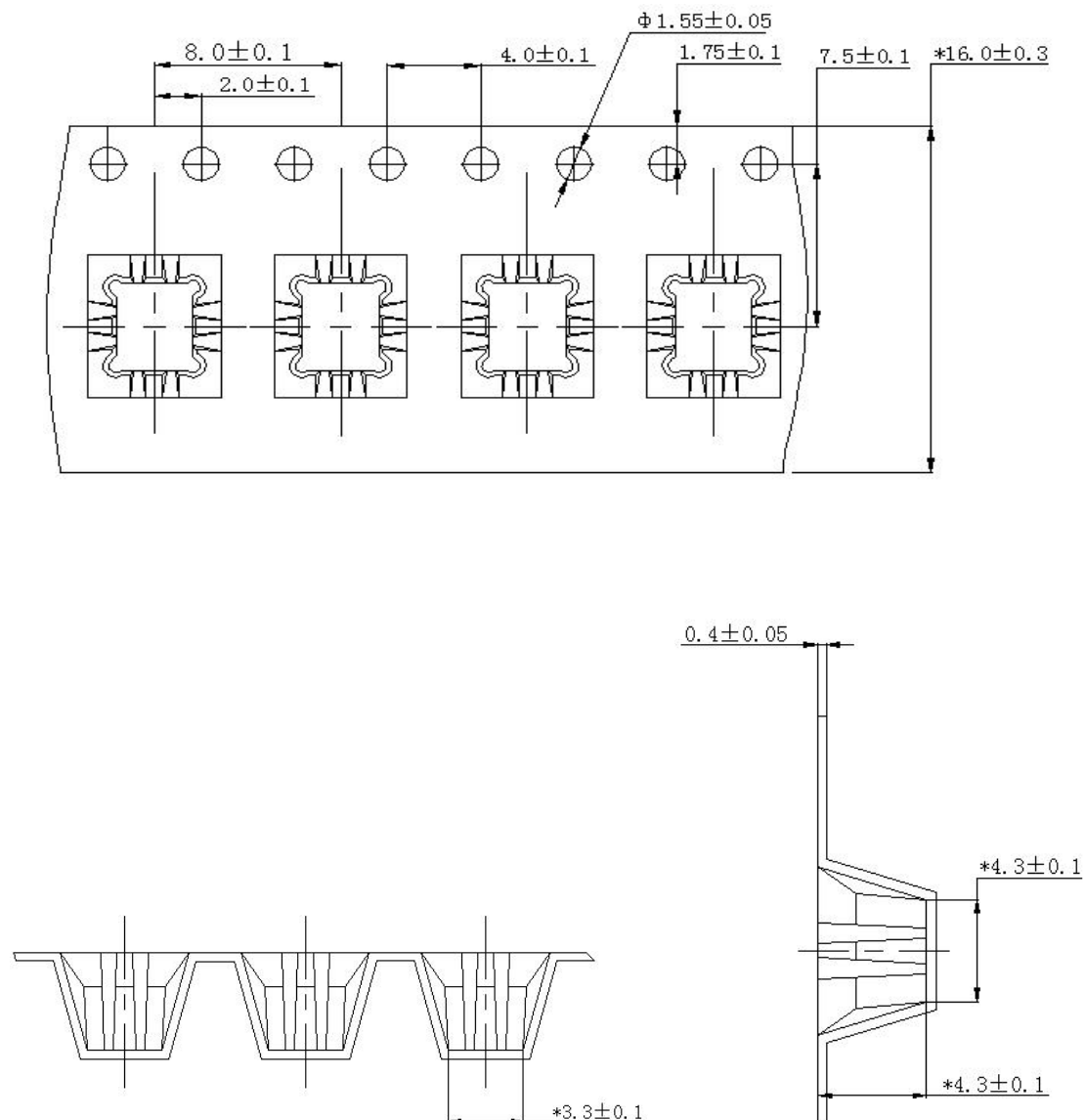
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9. 包装 Package

包装件名称	包装数量 (天线数量/部件)	包装说明
载带盘	1800 只/盘	每个编带盘装(1800)只天线
内装盒	1800 只/盒	每个内盒装(1)个载带盘
外包装箱	9000 只/箱	每个外包箱装(5)个内装盒



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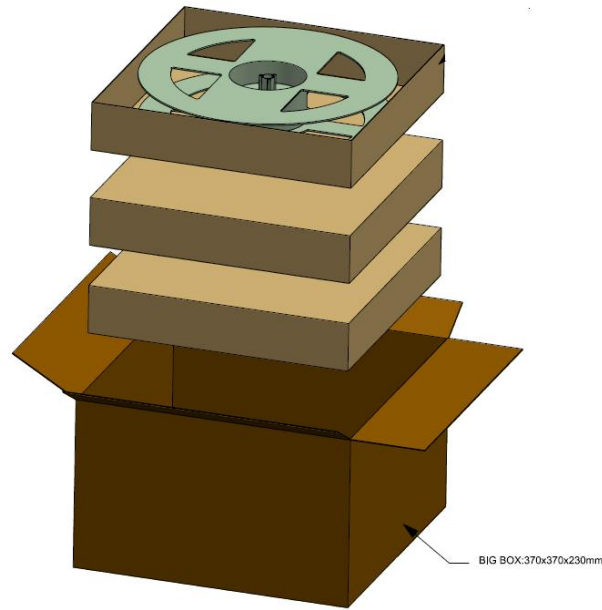
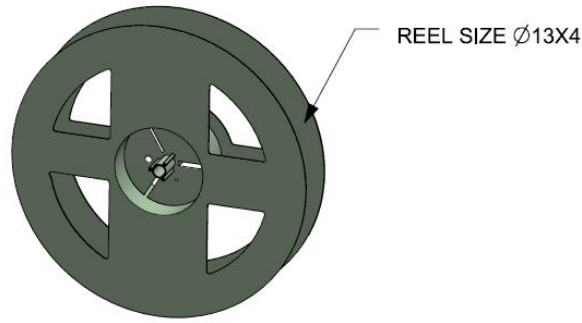
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10. 环境试验 Environmental specifications

基准条件：温度范围	Temperature range	25 ± 3 °C
相对湿度范围	Relative Humidity range	55~75%RH
工作温度	Operating Temperature range	-40 °C ~ +85 °C
贮藏温度	Storage Temperature range	-40 °C ~ +110 °C

10.1 耐湿热特性 Moisture Proof

在温度为 40 ± 2 °C，相对湿度 90~95% 的恒温湿箱中放置 96 ± 2 小时，在常温中恢复 1~2 小时后测试，符合表 3.1~3.6 规定。

The device should satisfy the electrical characteristics specified in paragraph 3.1~3.6 after exposed to the temperature 40 ± 2 °C and the relative humidity 90~95% RH for 96 hours and 1~2 hours recovery time under normal condition.

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10.2 耐振动 Vibration Resist

在振动频率为 10~55Hz 振幅为 1.5mm 沿 X.Y.Z 方向各振动 2 小时后测试符合表 3.1~3.6 规定。

The device should satisfy the electrical characteristics specified in paragraph 5.1~5.6 after applied to the vibration of 10 to 55Hz with amplitude of 1.5mm for 2 hours each in X , Y and Z directions.

10.3 高温特性 High Temperature Endurance

在温度为 $80 \pm 5^\circ\text{C}$ 的恒温箱中放置 96 ± 2 小时，在常温中恢复 1~2 小时后测试。符合表 3.1~3.6 规定。

The device should satisfy the electrical characteristics specified in paragraph 3.1~3.6 after exposed to temperature $80 \pm 5^\circ\text{C}$ for 96 hours and 1~2 hours recovery time under normal temperature.

10.4 低温特性 Low Temperature Endurance

在温度为 $-40^\circ\text{C} \pm 5^\circ\text{C}$ 低温箱中放置 96 ± 2 小时后恢复 1~2 小时测试符合表 3.1~3.6 规定。

The device should also satisfy the electrical characteristics specified in paragraph 3.1~3.6 after exposed to the temperature $-40^\circ\text{C} \pm 5^\circ\text{C}$ for 96 hours and to 2 hours recovery time under normal temperature.

11. 注意事项 Note



11.1 本承认书保证我司产品作为一个单体时的质量情况。当我司产品被安装到贵司产品上时，请保证贵司的产品已根据贵司的规范进行了有效评价和确认。

This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.

11.2 如果贵司对我司产品的使用已超过了本测试规范所界定的产品功能，那么对于由此引发的失效，我司将不予保证。 We cannot warrant against failure caused by any use of our product that deviates from the intended use as described in this product specification.

11.3 对于正常使用过程中造成的失效，在出厂之日起三个月内给予免费维修；超过这个时限的维修我们将收取一定的材料成本和维修费用。 The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition.

11.4 电子敏感元器件，拿起时注意防静电。 Electrostatic sensitive device. Observe precautions for handling.

11.5 产品易受潮，拆封后需 24 小时内用完，否则剩余部分需真空密封保存。

This item is easy to be moisture. It should be used up within 24h after opening. Otherwise, the rest part needs to vacuum sealed.

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