

# 深圳市瑞通千业科技有限公司

Shenzhen Ruitong Qianye Technology Co., Ltd.

Room 301, No. 30 Xinsheng Road, Xinzhuang Community, Matian Subdistrict, Guangming District, Shenzhen

|                       |                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------|
| Ciient                | Jin Tian Xia                                                                      |
| TYPE                  | 7uH 3-in-1 Coil                                                                   |
| Model NO              | G43.5*0.8 Double Slot with Hole, Reverse Adhesive, Slanted Slot, Wire Length 45MM |
| Part nunbering systey | /                                                                                 |
| Enginrer NO           | /                                                                                 |
| Date                  | 2025/ 3 / 27                                                                      |

|                            |                |
|----------------------------|----------------|
| For Enginer Departner Only |                |
| Rvised Cintent             | APPproved Date |
|                            |                |

|          |         |          |
|----------|---------|----------|
| Prepared | Checked | Approved |
| 万纪美      | 万纪美     | 刘成昭      |

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## 1、线圈工艺/Winding Procese:

| NO | 绕组/Winding | 线规/Wire Gauge     | 匝数<br>/Number of<br>Turns | 绕线方向<br>/Winding<br>Direction | 备注/Remarks |
|----|------------|-------------------|---------------------------|-------------------------------|------------|
| 1  | N1         | 2UEW-B-0.08*24*2P | 12TS                      | CCW                           |            |
| 2  |            |                   |                           |                               |            |

## 2. 电气性能/FEATURES:

1.Test conditions : 25°C,65%RH@100KHz/1V

1.1 Inductance

1.12 L0A(Coil + Magnetic Sheet) =7.0uH±5%

1.2 Q Value=45MIN

1.3 DC Resistance (DCR) : 60mΩ MAX

1.4 Operating Temperature: -25°C ~85°C

2.Test instrument: L:chuangda 1068+1310; DCR:502BC; SIZE:  
Callipers

### 3.Material List

| NO | Project                   | Material                                                                         |
|----|---------------------------|----------------------------------------------------------------------------------|
| 1  | WIRE                      | Φ 0.08*24*2p 2UEW-                                                               |
| 2  | FERRITE                   | 43.5*5*0.8 L-shaped Double Slot with Hole, Hard Ferrite Magnet, Reverse Adhesive |
| 3  | GLUE                      | Water-based White Glue                                                           |
| 4  | SOLDER                    | HQ-996/JS-996                                                                    |
| 5  | Tin                       | Qiandao Pure Tin                                                                 |
| 6  | High temperature adhesive | 5mm Wide High-Temperature Adhesive Tape                                          |
| 7  |                           |                                                                                  |

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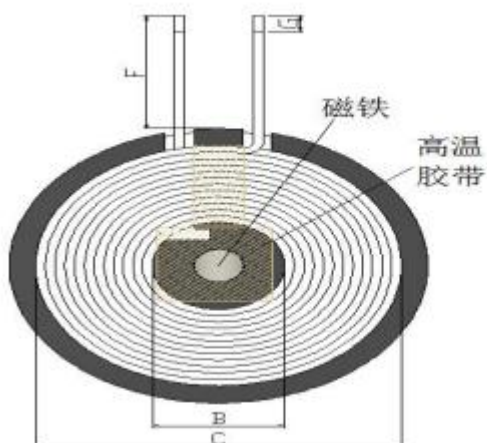
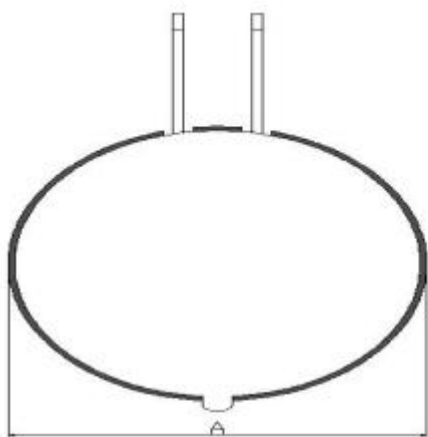
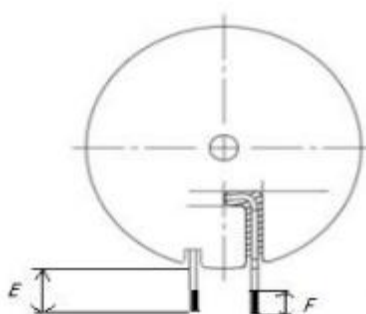
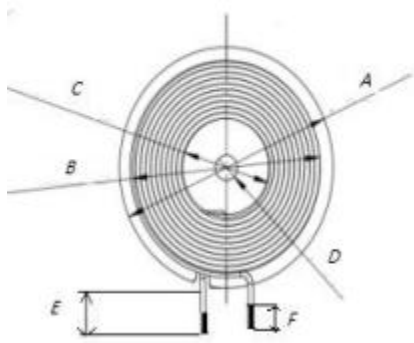
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## 3. 电路图/CIRCUIT DIAGRAM



单位: MM

## 4. 外形图/OUTSIDE DIAGRA



注：线圈出线位置缠绕 5MM (ref) 高温胶纸，磁片背面贴双面背胶。

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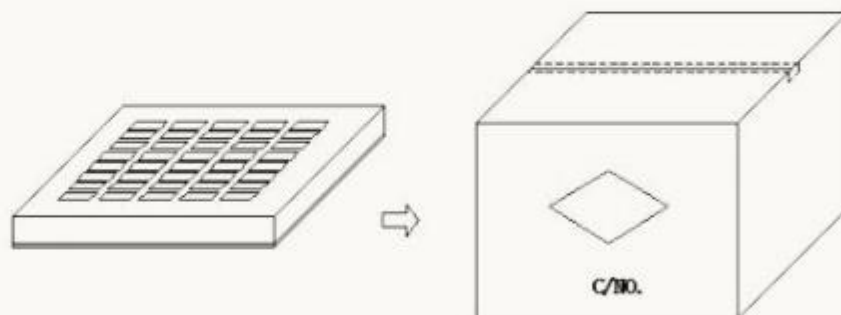
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**Note:** Wrap 5mm (ref) high-temperature adhesive tape at the coil wire outlet position.  
Apply double-sided adhesive tape to the back of the magnetic sheet.

| Standard | A        | B      | C      | D      | E     | F   | G       | Magnet           |
|----------|----------|--------|--------|--------|-------|-----|---------|------------------|
| STD      | 43.5±0.5 | 39±0.5 | 14±0.3 | 5 ±0.2 | 45± 1 | 3±1 | 1.6±0.2 | 5*1.5-<br>3000GS |

## 5. 包装/PACKAGE

### 5.1 包装图片 Packing pictures:



### 5.2 包装数量及规格 Packing Quantity:

| 项目 Item      | 数量 Quantity | 材料规格 Material  |
|--------------|-------------|----------------|
| 盒 Box        | 350 Pcs     | 345*330*50 mm  |
| 箱 Big Carton | 1750 Pcs    | 360*340*280 mm |

### 5.3 包装以现有包装盘为参照标准，以实际出货包装为准，如有特殊要求可定制。

The packaging shall be based on the exusting packing plate and the actual delivery package shall prevail . If there is any requirement,we can customize it.

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## 6、贮存和使用条件 Storage and Use condition

### 6.1 贮存条件 Storage condition

6.1.1 建议贮存条件：温度 $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ，湿度 70% (Max.)

Recommended keeping conditions:  $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , 70%RH (Max.)

6.1.2 贮存期限：自生产之日起六个月内

Storage life : Within the limits of six months from being produced.

### 6.2 使用条件 Use condition

使用条件限制：温度 $=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ，湿度 $\leq 90\%$

Use condition limit:  $T=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ,  $\text{RH} \leq 90\%$ .

## Statement:

We, SureTech LLC, states that All measurements were performed radiated and therefore additional antenna gain documentation is not required.