

深圳市瑞通千业科技有限公司

Shenzhen Ruitong Qianye Technology Co., Ltd

客户/Ciient

名称/TYPE

A11 Wireless Charging coil

产品型号

Model NO

G40\*0.6 MM/0.07\*100

Straight groove with hole /back adhesive

产品编号

Part numbering systey

客户料号

Cient p/NO

工程编号

Enginrer NO

日期/Date

2024-7-29

| 本公司工程部/For Enginer Departner Only |                     |
|-----------------------------------|---------------------|
| 修改内容/Rrvised Cintent              | 认可日期/APPproved Date |
|                                   |                     |

编制/Prepared

审核/Checked

认可/Approved

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刘成昭

| 客户认可回签/Authorixed Signaturure Company Chop |                 |                |
|--------------------------------------------|-----------------|----------------|
| 工程/ Enginrer                               | 认可/QC APPproved | 认可日期/APPproved |
|                                            |                 |                |

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## 一、线圈工艺/Winding Procese:

| NO | 绕组<br>WINDING | 线规<br>WIRE      | 匝数<br>TURNS | 绕线方向<br>DIRECTION | 备注<br>REMARKS |
|----|---------------|-----------------|-------------|-------------------|---------------|
| 1  | N1            | 2UEW-B-0.07*100 | 12TS        | CCW               |               |
| 2  |               |                 |             |                   |               |

## 二. 电气性能/FEATURES:

1.测试条件 (Test conditions) : 25°C,65%RH@100KHz/1V

1.1 电感量 (Inductance)

1.12 L0A(线圈+磁片)=6.8uH±5%

1.2 Q 值=40MIN

1.3 直流电阻 (DCR) : 60mΩ MAX

1.4 工作温度(Operating Temperature): -25°C~85°C

2.测试仪器(Test instrument):

L:创达 Chuangda 1068+1310; DCR:502BC; SIZE:Callipers

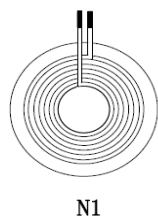
## 3.材料清单

| NO | 项目                        | 材料                                            |
|----|---------------------------|-----------------------------------------------|
| 1  | WIRE                      | φ 0.07*100*1p 2UEW-                           |
| 2  | FERRITE                   | G40*5*0.6MM L double slot with holes/Magnetic |
| 3  | GLUE                      | 水性白胶 Water based white glue                   |
| 4  | SOLDER                    | HQ-996/JS-996                                 |
| 5  | Tin                       | 千岛纯锡 Thousand Island Pure Tin                 |
| 6  | High temperature adhesive | 3MM 高温胶带 High temperature adhesive            |
| 7  |                           |                                               |
| 8  |                           |                                               |

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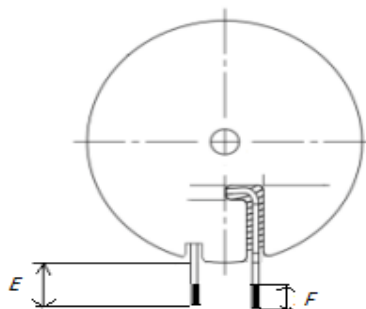
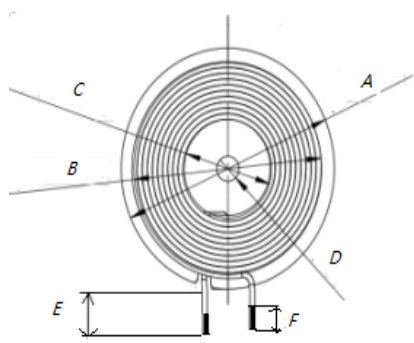
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## 三. 电路图/CIRCUIT DIAGRAM



Unit: MM

## 四. 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 0.3 厚泡绵双面背胶。

Note: Wrap 5MM (ref) high-temperature adhesive tape around the coil outlet position, and apply 0.3mm thick foam double-sided adhesive tape on the back of the magnetic sheet.

| 标准  | A      | B        | C        | D     | E     | F   | G       |  |
|-----|--------|----------|----------|-------|-------|-----|---------|--|
| STD | 40±0.5 | 37.5±0.5 | 13.5±0.2 | 5±0.2 | 170±2 | 3±1 | 1.8±0.3 |  |

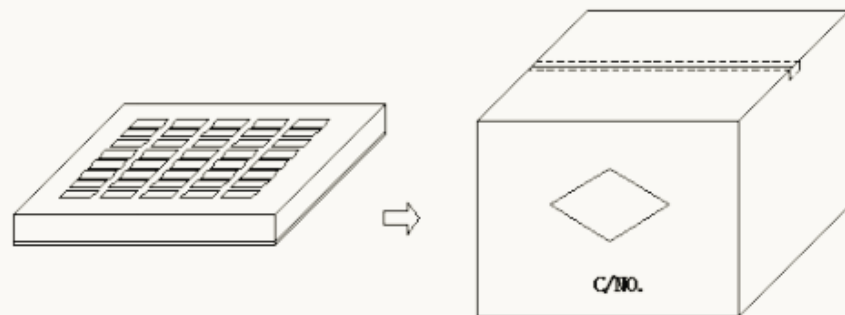
Unit: MM

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## 五. 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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## 六、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:  $T=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ,  $\text{RH} \leq 90\%$ .