

# 东莞市德欣达电子科技有限公司

Dongguan Dexinda Electronic Technology Co.,Ltd

客户/Client

星科微

名称/TYPE

A11 Wireless charging coil

产品型号

Model NO

G50 magnetic chip single hole double slot back glue line length of 10MM

产品编号

Part numbering systey

客户料号

W09153

Cient p/NO

工程编号

Enginrer NO

日期/Date

2022-10-27

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

编制/Prepared

审核/Checked

认可/Approved

RAO

谢良

| 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 | winding | Wire gauge       | Number of turns | Winding direction | note |
|----|---------|------------------|-----------------|-------------------|------|
| 1  | N1      | 2UEW-B-0.08*105P | 10TS            | 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)

1.11 L0A (A separate coil) =3.8uH±20%

1.12 L0A(Coil + magnetic chip)=6.5uH±10%

1.2 Q 值=90MIN

1.3 Dc resistance(DCR): 45mΩ MAX

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

2.测试仪器(Test instrument): L:创达 1068+1310;DCR:502BC;SIZE:Callipers

3.Bill of materials

| NO | project                   | material                                        |
|----|---------------------------|-------------------------------------------------|
| 1  | WIRE                      | ∅ 0.08*105p 2UEW-1.15mm                         |
| 2  | FERRITE                   | 50*5.3*1.0 LType - groove ferrite hard magnetic |
| 3  | GLUE                      | White glue                                      |
| 4  | SOLDER                    | XCD-907B                                        |
| 5  | Adhesive                  | Double-sided gum                                |
| 6  | High temperature adhesive | 8MM High temperature adhesive tape              |
| 7  |                           |                                                 |

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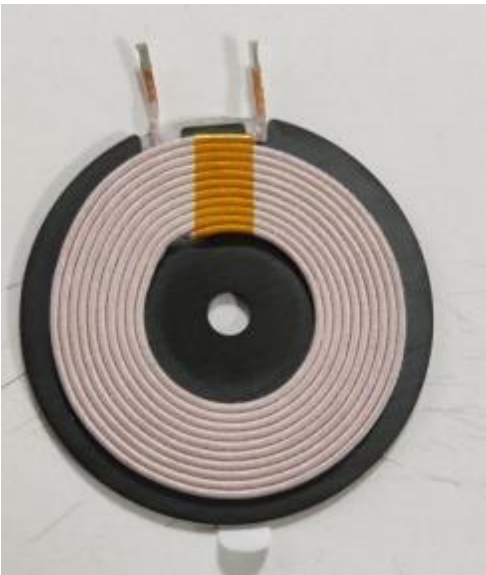
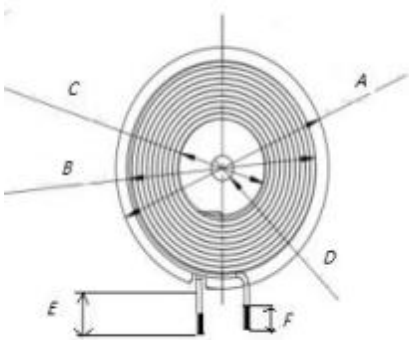
三

. 电路图/CIRCUIT DIAGRAM



单位： MM

四. 外形图/OUTSIDE DIAGRA



Note: 8MM (ref) high temperature adhesive paper is wound at the outlet position of the coil

|              |        |          |          |       |        |     |        |  |
|--------------|--------|----------|----------|-------|--------|-----|--------|--|
| standar<br>d | A      | B        | C        | D     | E      | F   | G      |  |
| STD          | 50.0±1 | 42.5±1.2 | 20.5±0.5 | 5±0.5 | 10±1.5 | 2-5 | 2.6Max |  |

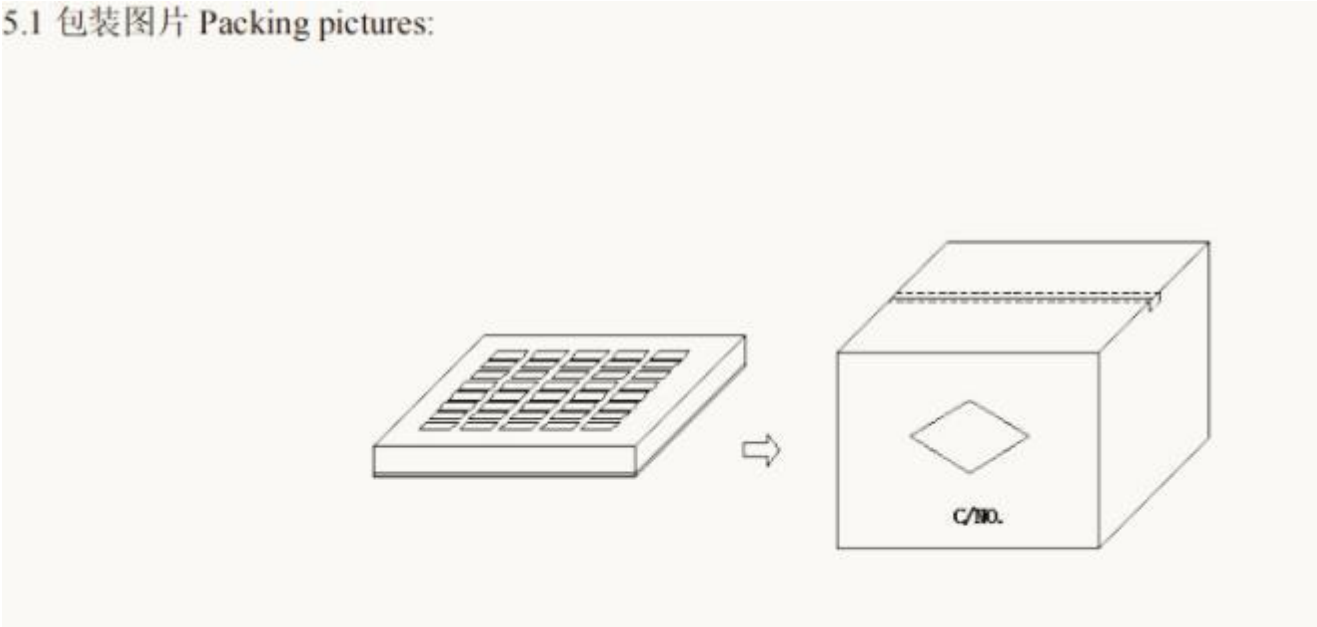
单位： MM

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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 | 1400 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，如有特新要求可以定制。

*The packaging shall be based on the existing 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:  $T=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$  ,  $\text{RH} \leq 90\%$ .