



# Shenzhen Shengguang Electronic Technology Co.,LTD

Client

Shenzhen Lufeng Technology Development Co., Ltd.

Address

1101, Block B, Building 6, Building 1, Kaisa Central Plaza Phase I, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen

TYPE

A11-50-1.0 Wire length 30MM-0.08-105p -6.3H 2.0 Thickness hardness 38 Double-sided adhesive fireproof material sponge

Model NO

20.5\*42\*0.08\*105\*10ts-30MM-6.3uH-2.0HM

Product code

SG-A11-050-2.0HM

Part numbering systey

Customer part number

11.11.01101

Client p/NO

Project number

Enginrer NO

TQE 003

Date

2024/12/17

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

编制/Prepared

审核/Checked

认可/Approved

谢燕琪

段家旺

谢小仔

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



## 一、线圈工艺/Winding Procese:

| NO | winding | Wire gauge       | turns ratio | winding direction | Remark |
|----|---------|------------------|-------------|-------------------|--------|
| 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 (单独线圈) =3.8uH±20%

1.12 L0A(线圈+磁片)=6.3uH±10%

1.13 Q 值=70MIN

1.2 直流电阻 (DCR) : 45mΩ MAX

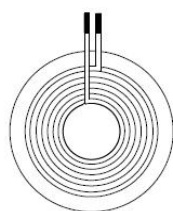
1.3 工作温度(Operating Temperature): -25°C~85°C

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

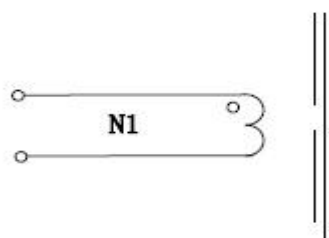
3.材料清单Bill of materials

| NO | Project                   | Material                                        |
|----|---------------------------|-------------------------------------------------|
| 1  | WIRE                      | φ 0.08*105p 2UEW-1.15mm                         |
| 2  | FERRITE                   | 50*5.3*1.0 L-shaped groove Ferrite hard magnet  |
| 3  | GLUE                      | white glue                                      |
| 4  | SOLDER                    | XCD-907B                                        |
| 5  | Adhesive                  | 2.0 Hardness 38 fireproof double-sided adhesive |
| 6  | High temperature adhesive | 8MM High temperature tape                       |

### 三. 电路图/CIRCUIT DIAGRAM

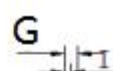
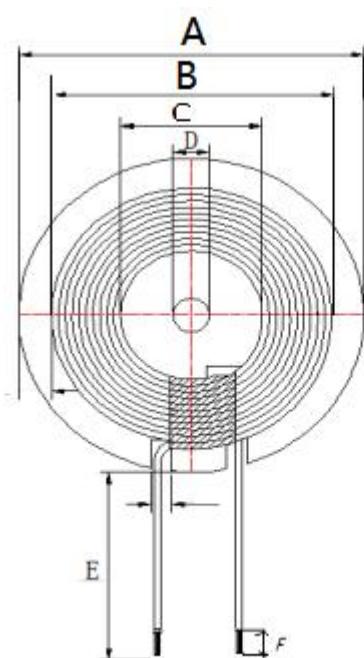


N1

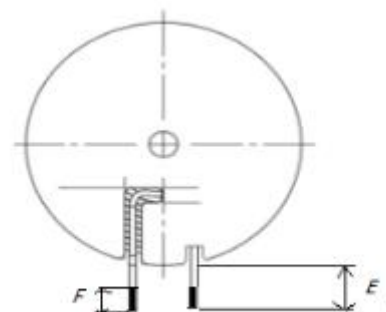


单位: MM

### 四. 外形图/OUTSIDE DIAGRAM



E



D

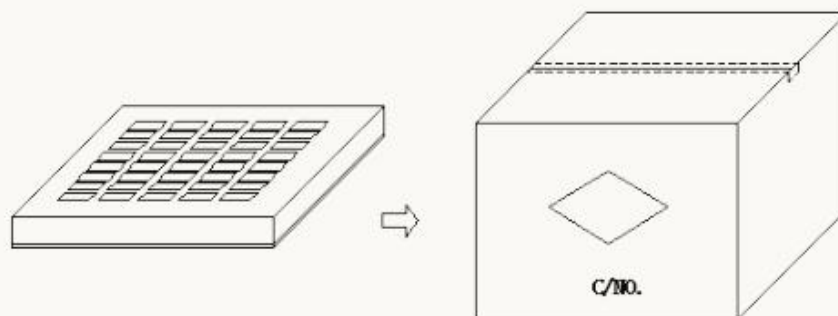
Note: The coil lead-out position is wrapped with 8MM (ref) high-temperature adhesive tape

| 标准  | A      | B      | C      | D       | E    | F   | G      | I       |
|-----|--------|--------|--------|---------|------|-----|--------|---------|
| STD | 50±1.0 | 42.5±1 | 20.5±1 | 5.3±0.5 | 30±2 | 2-5 | 4.8Max | 1.0±0.1 |

unit: MM

## 五. 包装/PACKONG

## 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，如有特要求可以定制。

*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.*



## Shenzhen Shenguang Electronic Technology Co.,LTD

---

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