

# Shenzhen Taichengda Fang Electronic Technology Co., Ltd.

No. 603B, Building 1, 1st, 2nd, 4th and 5th floors, Yuehua Industrial Zone, No. 2, Yuehua Road, Meilin Street, Futian District, Shenzhen City

Cient

Firstar

TYPE

Apple Watch transmitting coil

Model NO

PG010 Hard Magnetic Coil Anti-backing Adhesive / Magnet / S-Class / 7.5\*2.3 - 3400GS Double-Wire Tubing

identification of product

Part numbering systey

Cient p/NO

190-0395-0-000

Enginrer NO

Date

July 03, 2025

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

Prepared

Huang Wu

Checked

**Liu Xiaoxiao**

Approved

Wu Runlong

| Authorixed Signaturure Company Chop |             |          |
|-------------------------------------|-------------|----------|
| Enginrer                            | QC APProved | APProved |
|                                     |             |          |

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## 一、 Winding Procese:

| NO | winding | guage           | number of windings | direction of winding | Note |
|----|---------|-----------------|--------------------|----------------------|------|
| 1  | N1      | 2UEW-B-0.08*28P | 12TS               | CCW                  |      |
| 2  |         |                 |                    |                      |      |

## 二. FEATURES:

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

1.1 Inductanc

1.2 L0A=7.5uH±5%

1.3 Q value=35MIN±5%

1.4 DCR: 90mΩ±5%

1.5 Operating Temperature: -25°C~85°C

2. Test instrument): **Tong Huicurrent bridge TH2830LCR**

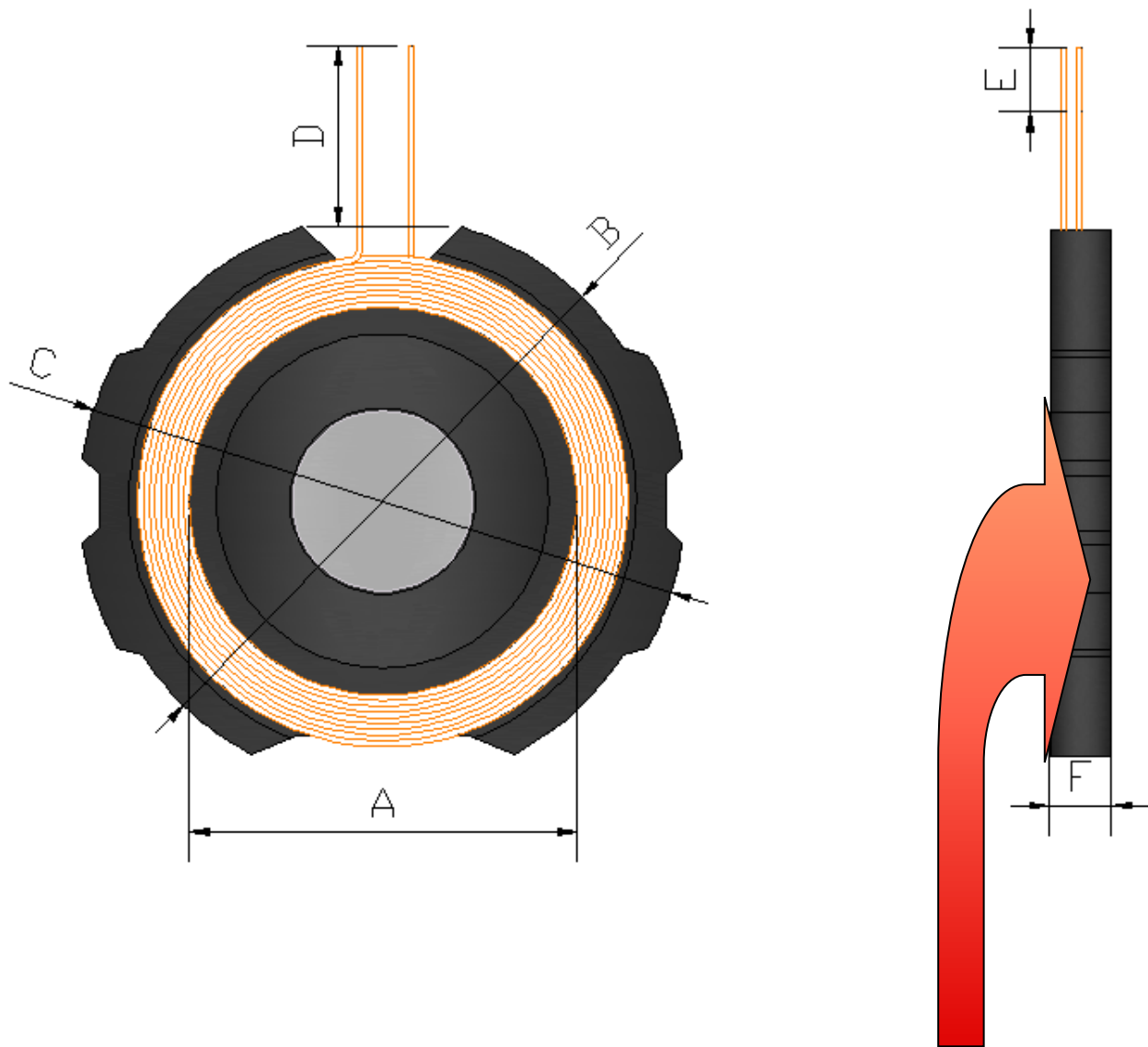
3. bill of materials

| NO | Item                      | materials                                                                            |
|----|---------------------------|--------------------------------------------------------------------------------------|
| 1  | WIRE                      | φ 0.08*28p 2UEW-                                                                     |
| 2  | FERRITE                   | 24.6 outer diameter * 7.8 holes * 2.3 thickness - cylindrical ferrite<br>hard magnet |
| 3  | GLUE                      | Water-based white glue                                                               |
| 4  | SOLDER                    | HQ-996/JS-996                                                                        |
| 5  | Tin                       | Kanjiro Pure Tin                                                                     |
| 6  | High temperature adhesive |                                                                                      |
| 7  |                           | Heat shrink tubing: 0.8MM * 46MM                                                     |

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## 三. OUTSIDE DIAGRA



Note: The back of the magnetic sheet is coated with double-sided adhesive. The middle hole is equipped with a 7.5mm outer diameter \* 2.3mm thick - 3400 gauss magnet of S-grade, with double leads and a sleeve.

|     | A        | B      | C        | D    | E   | F       | G       |
|-----|----------|--------|----------|------|-----|---------|---------|
| STD | 13.5±0.2 | 23±0.3 | 24.6±0.2 | 50±2 | 3±1 | 2.5±0.3 | 1.0±0.1 |

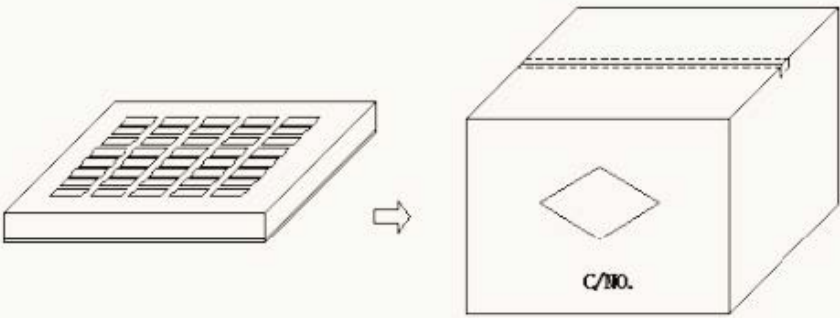
Unit: MM

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## 四、PACKAGE

### 5.1 Packing pictures:



### 5.2 Packing Quantity:

| Item       | Quantity | Material       |
|------------|----------|----------------|
| Box        | 350 Pcs  | 345*330*50 mm  |
| Big Carton | 1750 Pcs | 360*340*280 mm |

5.3 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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## 五、Storage and Use condition

### 5.1 Storage condition

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

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

### 5.2 Use condition

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