

# Shenzhen Ruitong Qianye Technology Co., Ltd

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TYPE	Wireless Charger TX Coil
Model NO	Single coil G43.5 * 1
Supplier	Shenzhen Ruitong Qianye Technology Co., Ltd
Date	2024/8/15

For Enginer Departner Only	
Rrvised Cintent	APProved Date
	2023/12/25

Prepared

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Checked

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Approved

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## 一、 Winding Procese:

NO	Winding	Spec.	number of turns	winding direction	Remarks
1	N1	2UEW-B-0.08*105P	12TS	CCW	
2					

## 二. FEATURES:

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

### 1.1 Inductance

1.11 L0A (Individual coils) =3.8uH±20%

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

1.2 Q value=50MIN

1.3 DC Resistanc (DCR) : 80mΩ MAX

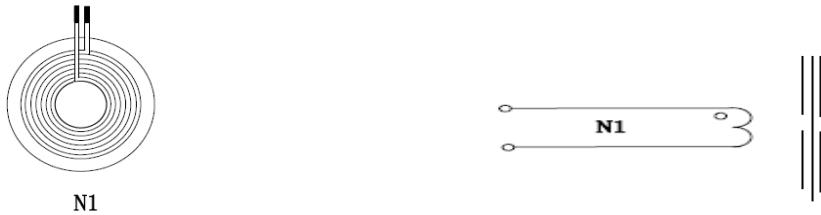
1.4 Operating Temperature: -25°C~85°C

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

3. Bill of Material

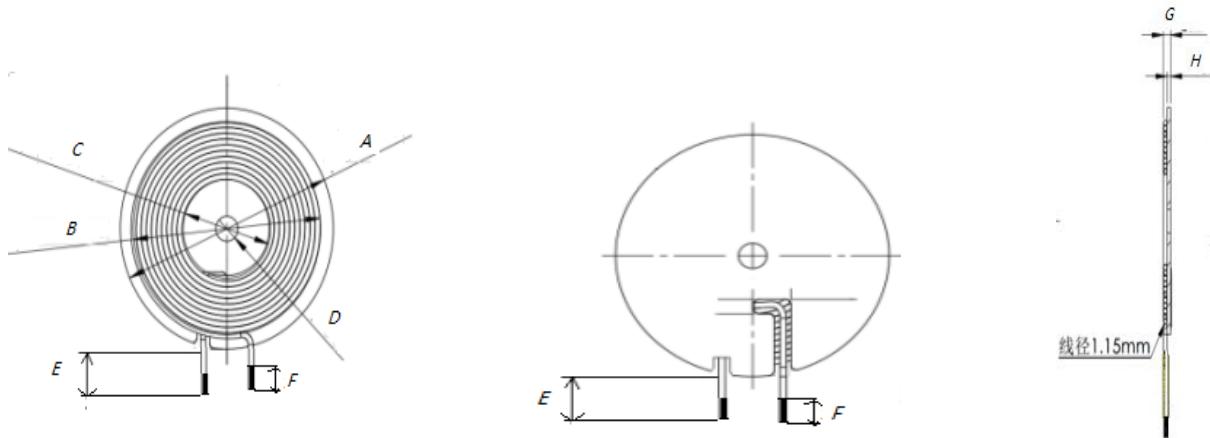
NO	Item	Material
1	WIRE	Φ 0.08*105P 2UEW-
2	FERRITE	43.5*5.3*1 L-shaped double slot perforated ferrite hard magnetic tape double-sided adhesive
3	GLUE	Water-based white glue
4	SOLDER	HQ-996/JS-996
5	Tin	Thousand Island Pure Tin
6	High temperature adhesive	8mm high-temperature adhesive paper
7		
8		

## 三. CIRCUIT DIAGRAM



Unit: MM

## 四. OUTSIDE DIAGRAM



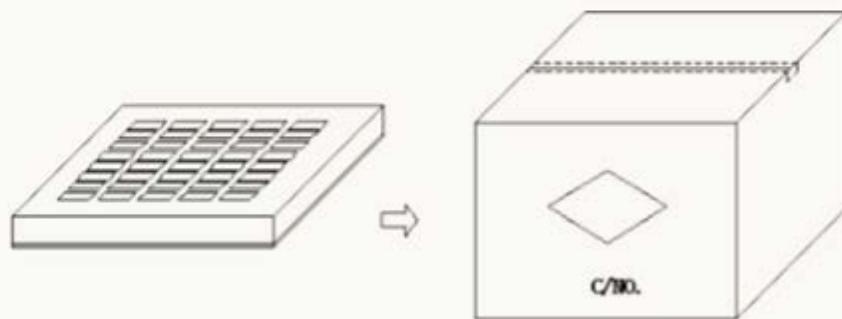
Note: The coil outlet position should not be covered with high-temperature adhesive tape, and the front of the magnetic film should be covered with black film and the back should be covered with double-sided adhesive tape.

Standard	A	B	C	D	E	F	G	
STD	43.5±0.5	39±0.5	13.4±0.3	5.3±0.5	20±2	3±1	2.0±0.2	

Unit: MM

## 五. 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.*

## 六、Storage and Use condition

### 6.1 Storage condition

#### 6.1.1

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

#### 6.1.2

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

### 6.2 Use condition

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