

Shenzhen Ruitong Qianye Technology Co., Ltd

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

Wan Jimei

Approved

Liu Chengzhao

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

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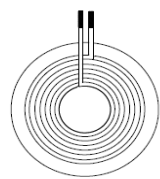
1.4 Operating Temperature: -25℃~85℃

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

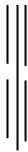
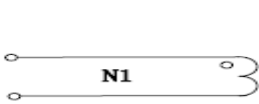
3. Bill of Material

N O	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

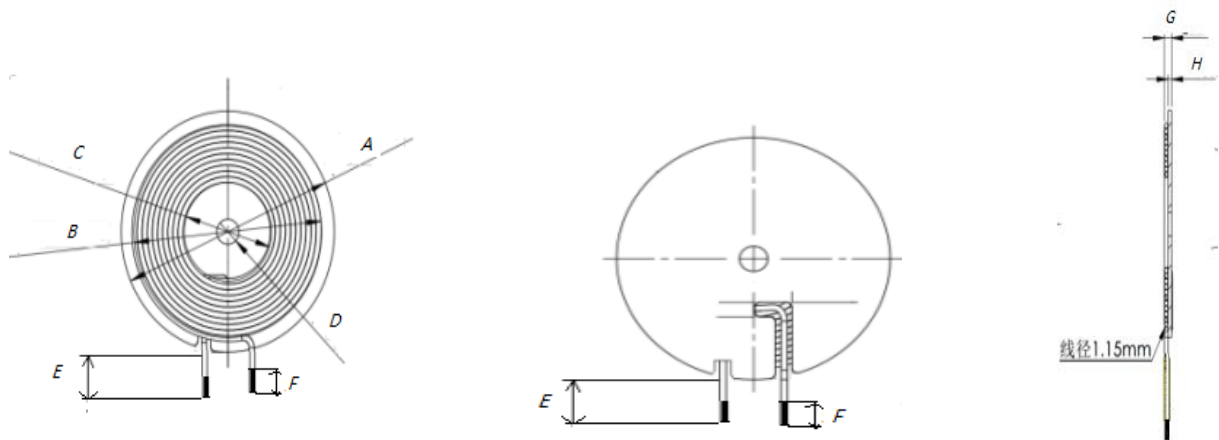


N1



Unit: MM

四. OUTSIDE DIAGRA



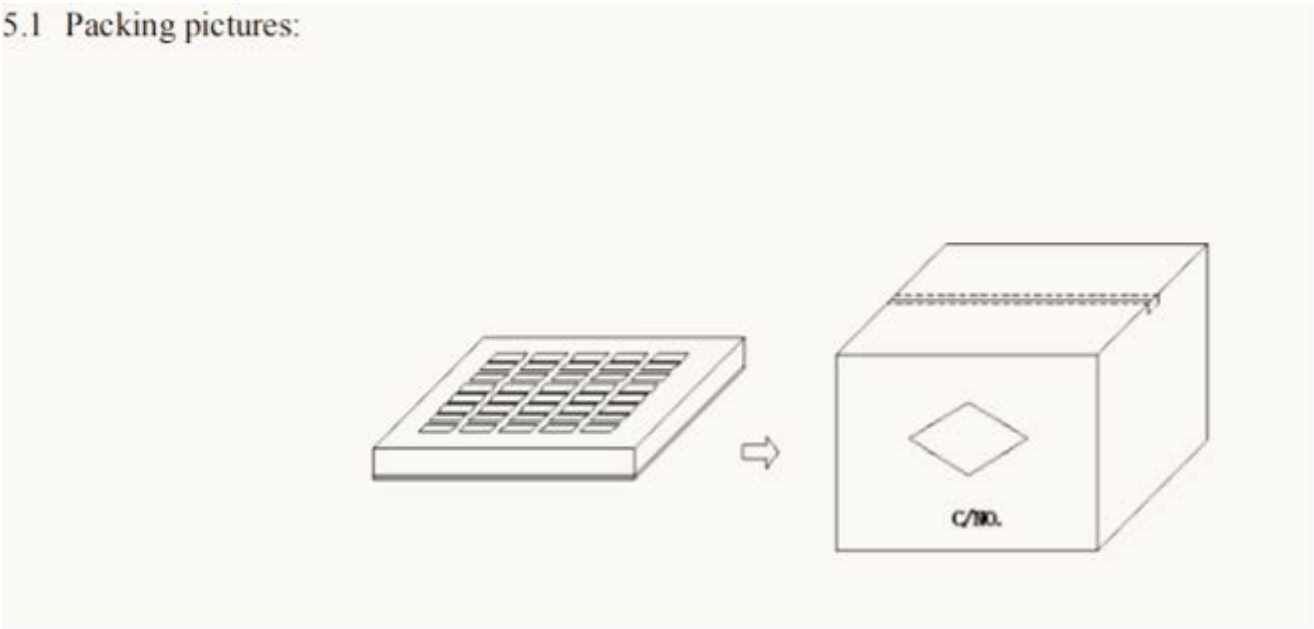
Note: The coil outlet position should not be covered with high-temperature adhesive tape, and the front of the magnetic film should be covered with black film and the back should be covered with double-sided adhesive tape.

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