

Shenzhen Ruitong Qianye Technology Co., Ltd

Customer / Client _____

Name / TYPE wireless charging coil _____

product model _____

Model NO Transparent coil G42.5 * 2.0 line length 10MM back glue

The Product number is Part numbering system _____

Customer material number

Client p/NO _____

job number

Engineer NO _____

Date / 16 March, Date 2024 _____

The Company's Engineering Department / For Engineer Department Only	
Modify the content of / Revised Content	Date of approval / Approved Date

Preparation / Prepared review / Checked approval / Approved

Wan Jimei, Wan Jimei, Liu Chengzhao

Customer approval back / Authorized Signature Company Chop		
Engineering / Engineer	Accreditation / QC Approved	Date of approval / Approved

—、Coil Process / Winding Process:

NO	winding	wire gage	number of turns	direction of winding	remarks
1	N1	2UEW-B-0.08*80*	10TS	CCW	
2					

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two. Electrical performance / FEATURES:

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

1.1 Inductance Amount (Inductance)

1.11 L0A (individual coil) = 3.6 uH ± 10%

1.12 L0A (coil + magnetic chip) = 6.2 uH ± 5%

1.2 Q value = 50 MIN

1.3 DC resistance (DCR): 80 mΩ MAX

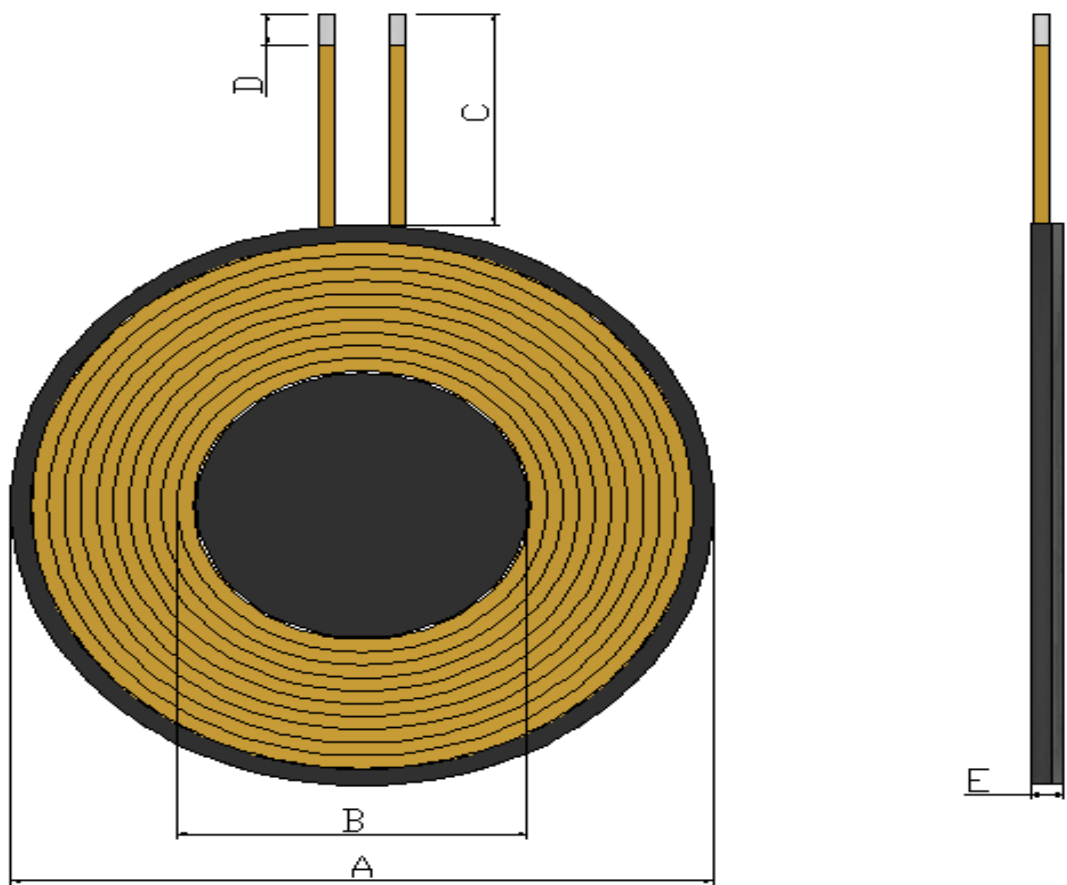
1.4 Operating temperature (Operating Temperature): -25°C ~85°C

2. Test instrument (Test instrument): L: Chuangda 1068 + 1310; DCR: 502BC; SIZE: Callipers

3. List of materials

N O	project	material
1	WIRE	φ 0.08*80 2UEW-
2	FERRITE	42.5 * 2.0 L double groove with porous ferrite hard magnetic back double-sided tape
3	GLUE	Water-based white glue
4	SOLDER	HQ-996/JS-996
5	Tin	Thousand island pure tin
6	High temperature adhesive	
7		
8		

four. Outline drawing / OUTSIDE DIAGRA Unit: MM



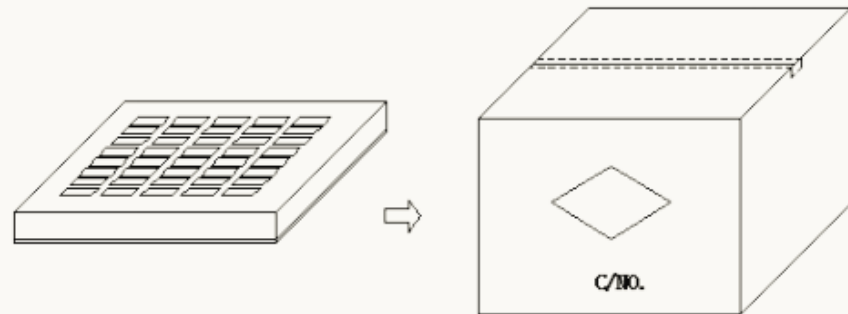
Note: 20.3MM cushion in the center of the coil and double-sided tape on the back of the magnetic tape.

stan dard	A	B	C	D	E	F	G	
STD	42.5 ± 0.3	20.5 ± 0.3	10 ± 2	3 ± 1	2.0 ± 0.2	--	--	

unit:MM

五 . Packaging / 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	1750 Pcs	360*340*280 mm

5.3 The packaging shall take the existing packaging plate as the reference standard and the actual shipment packaging shall prevail. As for special requirements.

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.

6. Storage and use conditions Storage and Use condition

6.1 Storage conditions of Storage condition

6.1.1 Recommended storage conditions: temperature $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, humidity of 70% (Max.)

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

6.1.2 Storage period: within six months from the date of production

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

6.2 Use condition Use condition

Limit of use conditions: temperature = $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, humidity of 90%

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