

Shenzhen Ruitong Qianye Technology Co., Ltd.

Client: _____

Type: Wireless transmitting coil

Model: Single coil, G43.5*0.5

Client P/NO: _____

Enginrer NO: _____

Date: 2023.8.25

For Enginer Departner Only	
Rrvised Cintent	APProved Date

Prepared	Checked	Approved
<u>万纪美</u>	<u>万纪美</u>	<u>刘成昭</u>

Authorixed Signaturure Company Chop		
Enginrer	QC APProved	APProved

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1、 Winding Procese:

NO	Winding	Wire Gauge	Number of Turns	Winding Direction	Remarks
1	N1	2UEW-B-0.08*24*2P	10TS	CCW	
2					

2. FEATURES:

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

1.1 Inductance

1.11 L0A (single coil) =3.8uH±20%

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

1.2 Quality Factor=50MIN

1.3 DCR: 80mΩ MAX

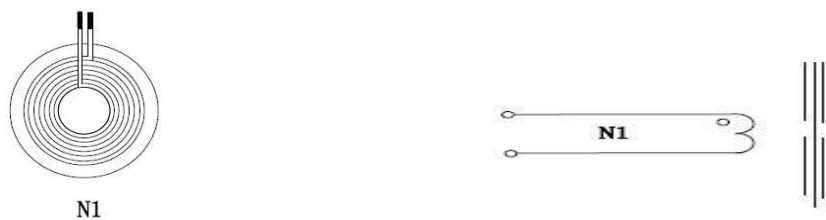
1.4 Operating Temperature: -25°C~85°C

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

3.BOM

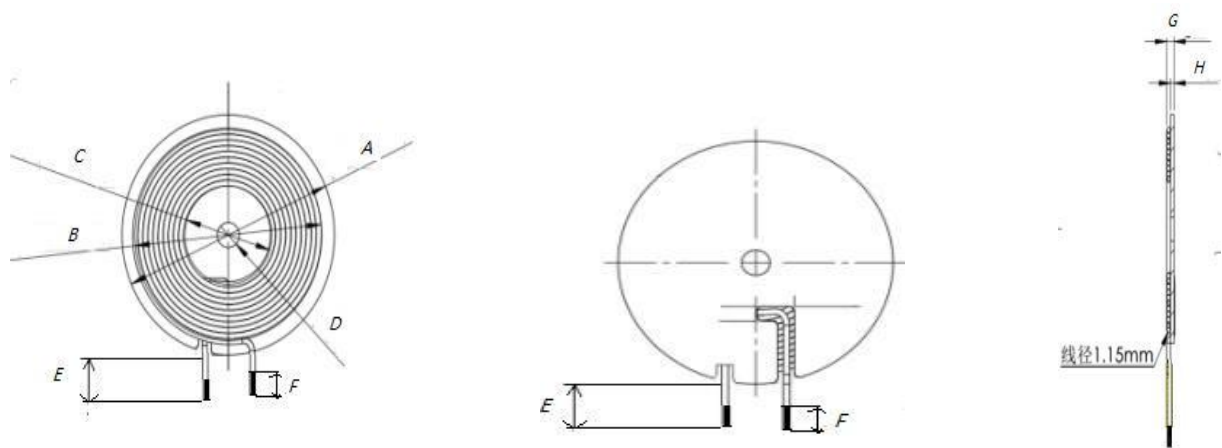
N O	Project	Material
1	WIRE	φ 0.08*24*2p 2UEW-
2	FERRITE	43.5×5.3×0.5 L - shape double - slot ferrite hard magnet with holes & black - film - pasted back
3	GLUE	Water - based white adhesive
4	SOLDER	HQ-996/JS-996
5	Tin	Thousand - Islands pure tin
6	High temperature adhesive	5MM temperature tape
7		
8		

3. CIRCUIT DIAGRAM



单位： MM

4. OUTSIDE DIAGRA



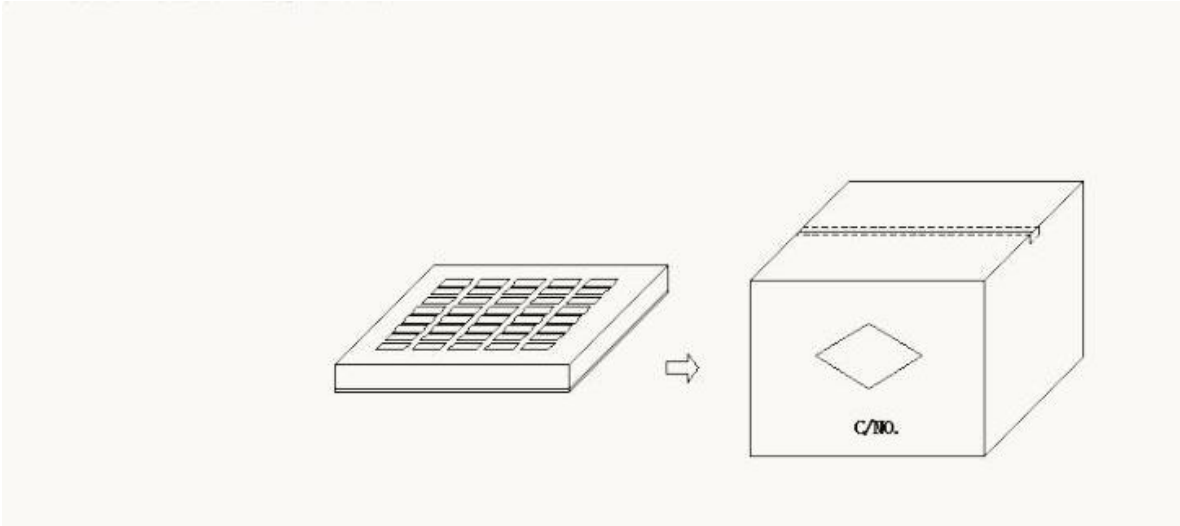
Note: Wrap high-temperature adhesive tape with a width of 8MM (reference) around the outgoing line position of the coil. Stick double-sided adhesive backing on the back of the magnetic sheet.

	A	B	C	D	E	F	G	
STD	43.5±0.5	38.5±0.5	20.5±0.5	5.3±0.5	50±2	3±1	1.4±0.1	

Unit: MM

5. PACKAGE

5.1 Packing pictures:



5.2 Packing pictures:

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

5.3 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.

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