

Shenzhen Ruitong Qianye Technology Co., Ltd.

Room 301, No. 30, Xinsheng Road, Xinzhuang Community, Matian Subdistrict, Guangming District, Shenzhen, China

Customer /Client

Name /TYPE

A11 Wireless Charging Transmitter Coil

Product Model

G41.5*8.0*0.8 Dual-slot perforated adhesive backing, 30MM long / 0.08*80P

Product Number

Customer part number

Project Number

Date :

May 22 , 2023

Our Engineering Department (For Engineers Only)	
Modified content / Revised Content	Approved Date

Prepared

Checked

Approved

Wan Jimei

Wan Jimei

Liu Chengzhao

Customer Approved Signature /Authorized Signature Company Chop		
Engineering / Engineer	Approved /QC	Approved Date

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I. Coil manufacturing process

NO	winding	Line gauge	Number of turns	Winding direction	Remark
1	N1	2UEW-B-0.08 * 80 P	10TS	CCW	
2					

II. Electrical Performance /FEATURES:

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

1.1 Inductance

1.11 L0A (individual coil) = 3.8uH ± 20%

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

1.2 Q value = 50 MIN

1.3 DC Resistance (DCR): 60mΩ MAX

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

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

NO	project	Material
1	WIRE	φ 0.08* 80 p 2UEW-
2	FERRITE	4 1.5* 8 *0.8 L-shaped double-groove porous ferrite hard magnet with double-sided adhesive on the back.
3	GLUE	Water-based white glue
4	SOLDER	HQ-996/JS-996
5	Tin	Thousand Island Pure Tin
6	High-temperature adhesive	5mm high temperature tape

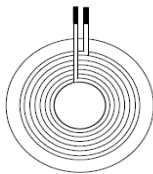
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3. List of Materials

III. Circuit Diagram / CIRCUIT DIAGRAM

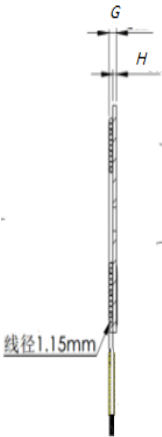
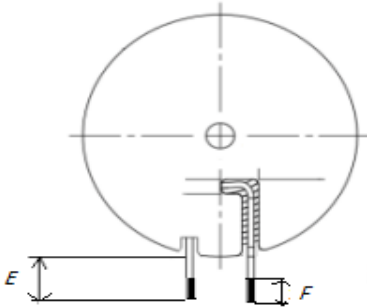
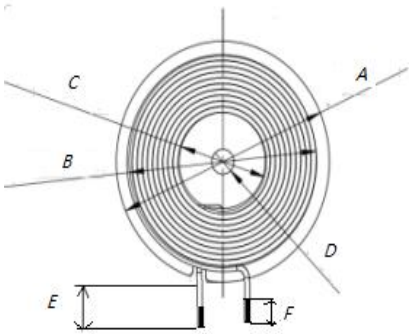


N1



Unit: MM

IV. Outline Drawing DIAGRA



Note: Wrap 5 mm (ref) of high-temperature adhesive tape around the coil outlet and apply double-sided adhesive to the back of the magnetic sheet.

stan dard	A	B	C	D	E	F	G	
STD	41.5 ± 0.5	38 ± 0.5	13.5 ± 0.3	8 ± 0.2	30 ± 2	3 ± 1	1.9 ± 0.3	

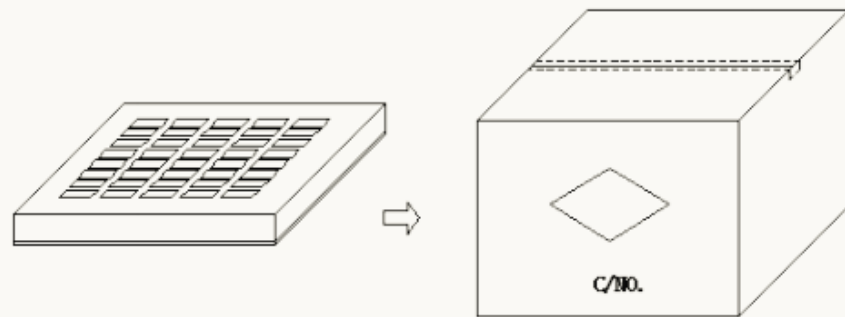
Unit: MM

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V. Packaging

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 Packaging will be based on existing packaging trays, and the actual packaging shipped will prevail. Customization is available for special requirements.

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.

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VI . Storage and Use Conditions

6.1 Storage conditions

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

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

6.1.2 Shelf life: within six months from the date of production.

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

6.2 Use condition

Usage restrictions: Temperature = $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, Humidity $\leq 90\%$

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

VII . Frequency & Gain

7.1 Frequency range: 100–400kHz

7.2 Antenna Gain: 0dBi

We, Blue Two Electronics Limited, statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.