

TYPE

Wireless Charging Transmitting Coil

Model NO

G42.5*5*0.8 The double-slot front and back adhesive lines are long
50MM/6.5UH

Part numbering systey

Cient p/NO

Enginrer NO

ZXW16

Date

September 12, 2025

For Enginer Departner Only	
Rvised Cintent	APProved Date

Prepared

Checked

Approved

万纪美

万纪美

刘成昭

一、Winding Procese:

NO	Winding	Wire gauge	Number of turns	Winding direction	Remarks
1	N1	2UEW-B-0.08*24*2P	10TS	CCW	
2					

二. FEATURES:

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

1.12 L0A(Coil + magnetic sheet)=6.5uH±5%
- 1.2 Qvalue=40MIN

1.3 DCR: 80mΩ MAX

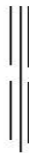
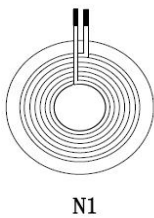
1.4 Operating Temperature: -25℃~85℃

2.Test instrument: Tonghui TH2830

3.List of materials

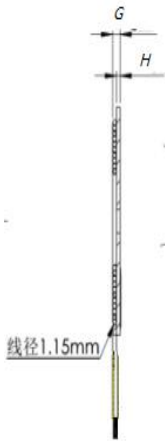
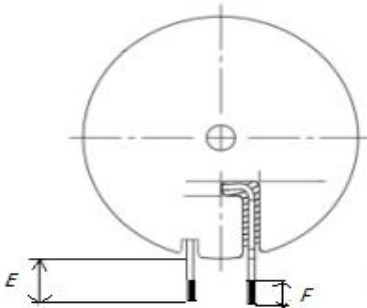
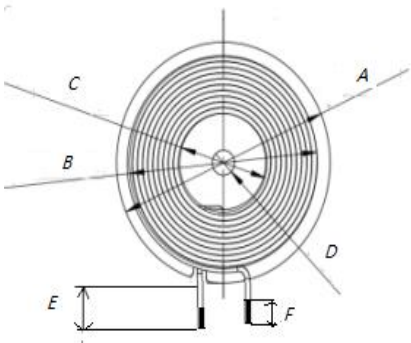
N O	Project	Material
1	WIRE	φ 0.08*56p 2UEW-
2	FERRITE	42.5*5*0.8 LDouble-slot perforated ferrite hard magnetic front and back adhesive
3	GLUE	Water-based white glue
4	SOLDER	HQ-996/JS-996
5	Tin	Thousand Island Pure Tin
6	High temperature adhesive	5MM High-temperature tape
7		
8		

三. CIRCUIT DIAGRAM



"Unit : MM

四. OUTSIDE DIAGRA



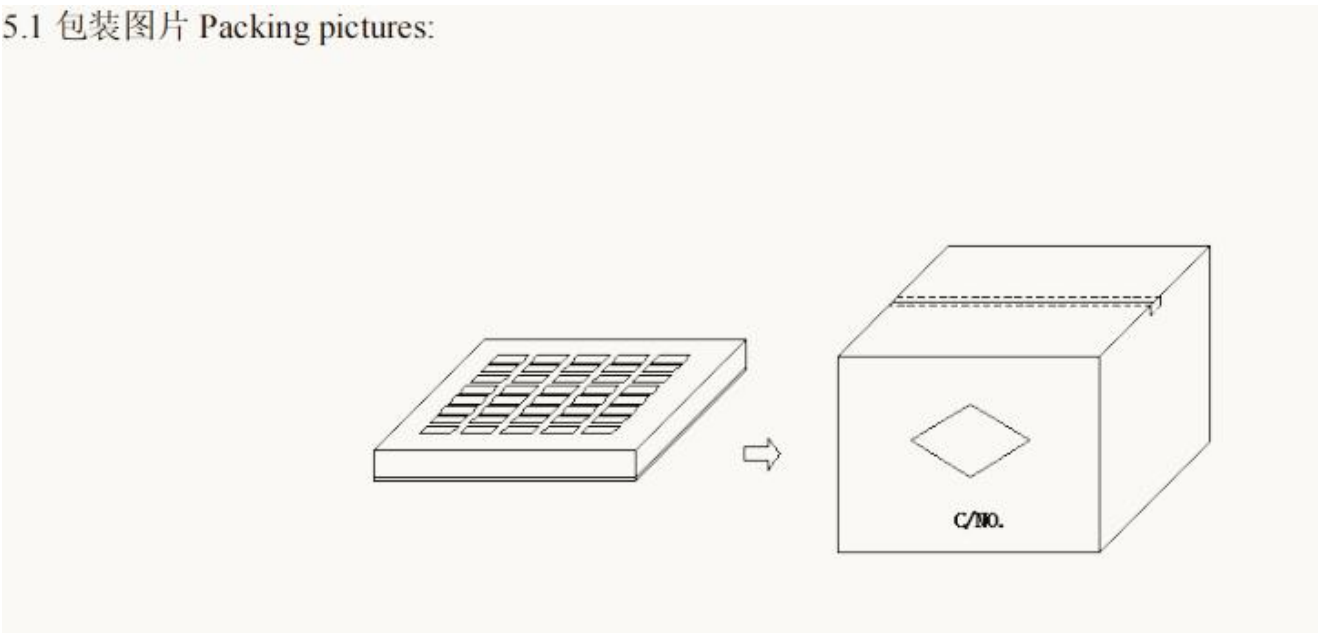
Shenzhen Ruitong Qianyi Technology Co., Ltd.

Standard	A	B	C	D	E	F	G	
STD	42.5±0.5	39±0.5	20.5±0.3	5.2±0.2	50±2	3±1	1.5±0.2	

"Unit: MM

五. 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 be based on the exusting packing plate and the actual delivery package shall prevail .If there is any requirement,we can customize it.

六、贮存和使用条件 Storage and Use condition

6.1 贮存条件 Storage condition

6.1.1 建议贮存条件：温度 $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ，湿度 70% (Max.)

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

6.1.2 贮存期限：自生产之日起六个月内

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

6.2 使用条件 Use condition

使用条件限制：温度 $=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ，湿度 $\leq 90\%$

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