

# Shenzhen Ruiketong QianyeTechnology Co.,Ltd.

4th Floor, Factory 10, Xiaweiyuan Industrial Zone, Gushu Community, Xixiang Street,  
Bao'an District, Shenzhen, China

Client Name :

Product TYPE : A11 Wireless Charging and Transmitting Coil for Phone

Model NO: G43.5\*Inner hole\*0.8Double-slot with hole reverse  
Adhesive thread length 30MM/0.15\*28

Product Code:

Client Item NO:

Engineering NO:

Date : 3rd July,2024

For Engineering Department Only	
Revised Content	Date of approval

Prepared By

Checked By

Approved By

WANJIMEI

WANJIMEI

LIUCHENGZHAO

Authorized Signature Company Chop		
Engineering	QC Approved	Date of approval

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Bao'an District, Shenzhen, China

## 1.Winding Procedure:

NO	Winding	Wire gauge	QTY of turns In each coil	Direction	Remarks
1	N1	2UEW-B- 0.15*28P	10TS	CCW	
2					

## 2.FEATURES:

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

1.1 Inductance

1.11 L0A(coil+magnetic sheet)=6.3uH±5%

1.2 Q value=70MIN

1.3 DCR : 50mΩ MAX

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

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

## 3.Material list

NO	PROJECT	MATERIAL
1	WIRE	Φ 0.15*28 2UEW-
2	FERRITE	43.5*8*0.8L type double-groove perforated ferrite hard magnetic back double-sided adhesive
3	GLUE	Water-based White Glue
4	SOLDER	HQ-996/JS-996
5	Tin	QIANDAO Pure Tin
6	High temperature adhesive	8MM high temperature adhesive tape
7		
8		

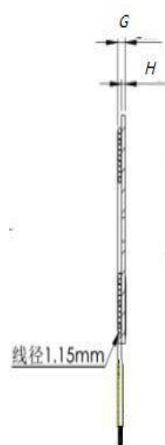
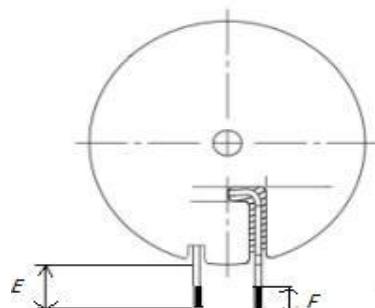
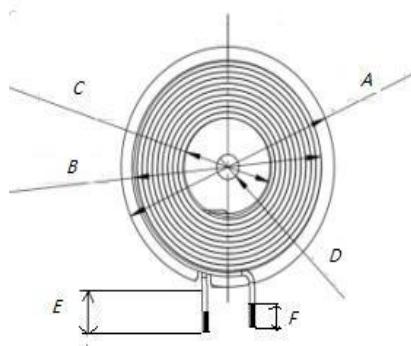
## 3 .CIRCUIT DIAGRA

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Unit : MM

## 4. OUTSIDE DIAGRAM



Remark: Coil lead-out position winding 5MM (ref) High temperature adhesive , the back of magnetic sheet with double-sidedgum.

Standard	A	B	C	D	E	F	G	
STD	43.5±0.5	40±0.5	20.5±0.2	5±0.2	40±2	3±1	2.0±0.3	

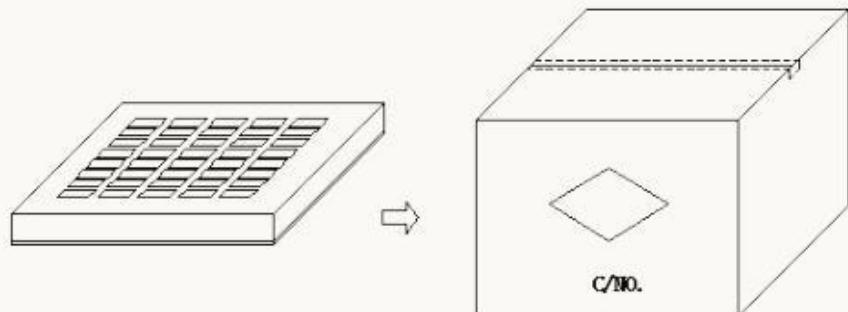
We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

## 5. PACKAGE

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## 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 is based on the existing packaging tray and the actual shipping packaging, and can be customized if there are special requirements.*

## 6. Storage and Use condition

### 6. 1 Storage condition

6. 1. 1 Suggested storage conditions: T=-25°C~ 85°C, humidity 70% (max.)

Recommended keeping conditions: T=-25°C ~ 85°C, 70% RH (max.).

6.1.2 Storage Dealine : Within six months from being produced.

### 6. 2 Use condition

Use restrictive conditions: T=-25°C~85°C, RH≤ 90%.

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Bao'an District, Shenzhen, China

Client Name:

Product Type: A28 wireless charging and transmitting for Earbuds

Model NO : G43.5\*0.6 Double-slot perforated reverse adhesive thread  
length 210MM/0.07\*100

Product Code:

Client Item NO:

Engineering NO:

Date : 3rd July,2024

For Engineering Department Only	
Revised Content	Date of approval

Prepared By  
WANJIMEI

Checked By  
WANJIMEI

Approved By  
LIUCHENGZHAO

Authorized Signature Company Chop		
Engineering	QC Approved	Date of approval

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Bao'an District, Shenzhen, China

## Winding Procedure:

NO	Winding	Wired gauge	QTY of turns In each coil	Direction	Remarks
1	N1	2UEW-B- 0.07*100	10TS	CCW	
2					

## FEATURES:

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

### 1.1 Inductance

1.11 L0A(coil+magnetic sheet)=6.3uH±5%

1.2 Q value=80MIN

1.3 DCR : 40mΩ MAX

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

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

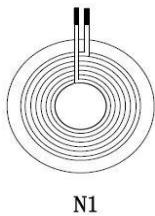
## 3. Materials list

NO	PROJECT	MATERIAL
1	WIRE	¢ 0.07*100 2UEW-
2	FERRITE	43.5*0.6L type double-groove perforated ferrite hard magnetic back double-sided adhesive
3	GLUE	Water-based White Glue
4	SOLDER	HQ-996/JS-996
5	Tin	QIANDAO pure tin
6	High temperature adhesive	8MM high temperature adhesive tape
7		
8		

## CIRCUIT DIAGRAM

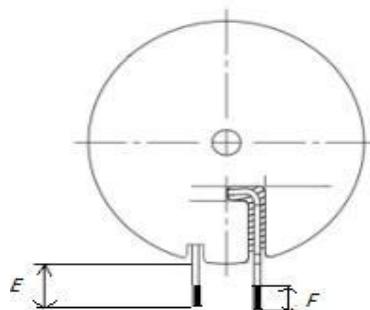
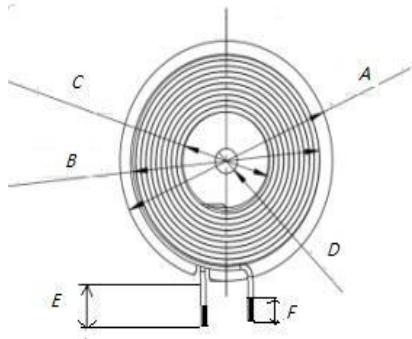
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Unit : MM

## OUTSIDE DIAGRAM



Note: 8MM(ref) high-temperature adhesive tape is wound around the wire outlet of the coil, and double-sided adhesive is attached to the back of the magnetic sheet.

Standard	A	B	C	D	E	F	G	
STD	43. 5± 0.5	40±0.5	20.5±0.2	5±0.2	210±2	3±1	2.0±0.3	

Unit : MM

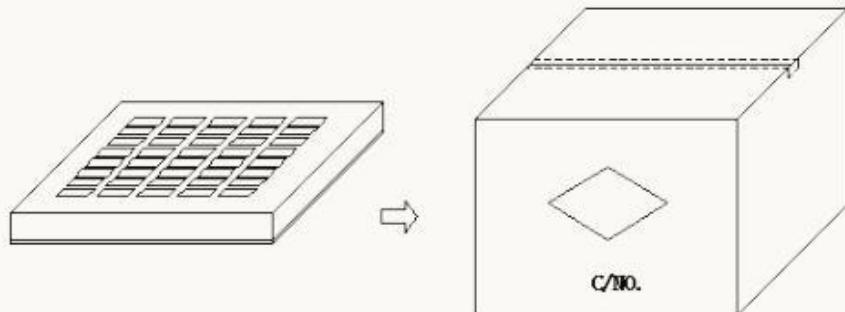
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## PACKAGE

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## 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 is based on the existing packaging tray and the actual shipping packaging, and can be customized if there are special requirements. ↗

## 6. Storage and Use condition

### 6. 1 Storage condition

6. 1. 1 Suggested storage conditions:  $T=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , humidity 70% (max.)

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

6. 1. 2 Storage Dealine : Within six months from being produced

### 6. 2 Use condition

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

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Bao'an District, Shenzhen, China

## SPECIFICATION

Client Name : \_\_\_\_\_

Product Type: CL1 wireless charging and transmitting for Watch

Model NO: XYDG2502

Date of sample delivery : 5th August , 2024

Supplier :

Drawing By	Examine and verify	Approval By

Client Confirmed :

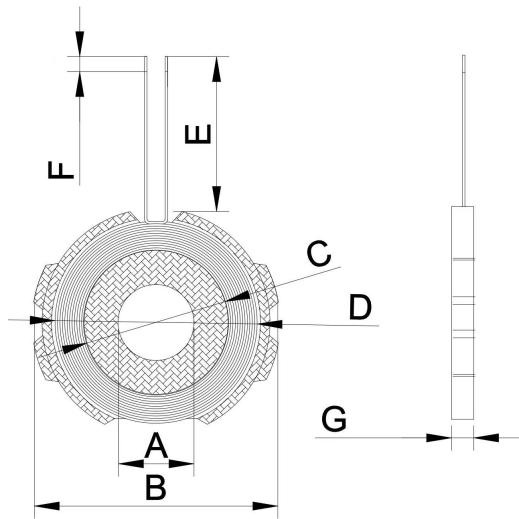
Pass	Not Pass	Confirmation
Remarks		

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

Client Name	Client Item NO.	Production NO.	Version	Date
		XYDG2502		2024. 08. 05

## 1. Plane Structure Diagram: Unit: MM



### 1.1 SCHEMATIC DIAGRAM



A	7.5±0.5mm
B	25±0.5mm
C	14±0.5mm
D	20.5±0.5mm
E	10±1mm
F	3±1mm
G	2.4±0.5mm

#### Remark:

1. Coil parallel lead-out
2. Glued with adhesive on the back of the magnetic sheet

We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

## 2. Winding Specification:

Pin-out	Wire diameter	QTY of turns In each coil	Remarks
1 -- 2	0.08*24P	1211	Hot air stranded wire

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## 3. The technical requirements:

- 3.1 Fix the thread head and tail to prevent the thread from loosening and breaking.
- 3.2 According to customer's requirements, cut the excessively long thread ends and plate them with tin, and the depth of tin plating shall be 1.5 0.5 mm.
- 3.3 Put proper white glue on the hard magnetic disk and attach the coil, and make sure that the surface of the product is clean and tidy during the process.
- 3.4 Additional process (according to customer requirements) : Install 7.5x2.0mm magnet in the middle of the finished product round hole and in the finished product back with 23.5mm round double-sided foam, ear length 4mm, then back packing.

## 4. Electrical parameters:

4.1.Inductance , Q value :

PIN 1 — 2 = 6.4uH ±0.3uH

Q value≥27

The above inductance values are based on same as 2817B instrument. Take 100KHZ/0.3Vrms as the standard or equivalent instrument.

Q value is based on same as 2817B instrument and 100KHZ/0.3Vrms as standard or equivalent instrument.

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## 5 . Materials list:

NO	NAME	MATERIAL	SUPPLIER	REMARKS
1	hot air stranded wire	0.08X24P		
2	magnetism piece	88 hard substrate		
3	tin	High temperature resistant environmental protection		
4	white glue	BY882		
5	strong magnet	7.50*2.0 (>3000GS)		Additional procedures, customer requirements
6	double-sided foam adhesive	diameter 23.5mm		ear length: 4mm

Address: \_\_\_\_\_