

Dongguan Dexinda Electronic Technology Co., Ltd.

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Client

Pengyuan Shenggao Technology Co., Ltd.

Name/TYPE

Magnetic wireless charging coil (environmental protection: RoHS+HF)

Product Model

model

G43.5 magnetic disk single slot black film adhesive cable length 48mm sleeve 6.5UH

Product Number

DXD2024090001

Part Numbering System

Customer fare number

702-090000-076-06

Customer Number

Project No.

Engineer No.

XIE2024090001

Date

2024-9-06

Our Engineering Department/For Engineer Departner Only	
Modified Content	Approved Date

Prepared

Review/Checked

Approved

Raoping

Xie Liang

Xu Yan

Authorized Signature Company Chop		
Process/Engineering	Approved/QC APProved	Approved Date/APProved

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## 1. Winding Process:

NO Winding		Wire Gauge	Number of turns Winding direction	Remarks	
1	N1	2UEW-B-0.08*65	10TS		
2					

## 2. Electrical performance/FEATURES:

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

1. Inductance

2. L0A (single coil) = 3.8uH ± 20%

3. L0A (coil + magnetic piece) = 6.5uH ± 10%

4. Q value = 78MIN

5. DC resistance (DCR): 80m MAX

6. Operating Temperature: -25 ~85

7. Test instrument: L: Chuangda  
1068+1310; DCR: 502BC; Size: caliper

## 8. Materials List

No	Project	Material
1	Metal Wire	γ0.08*65 2UEW
2	Ferrite	43.5*5*0.75 L double slot ferrite hard magnet
3	Glue	White glue
4	welding	XCD-907B
5	Adhesives	Double-sided adhesive with black film
6	High temperature adhesive	MM High Temperature Tape
7		

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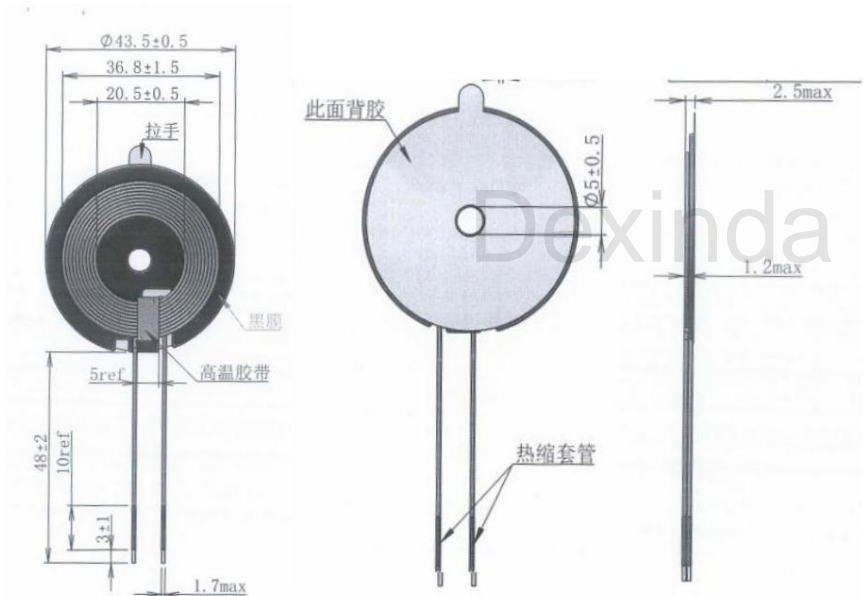
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3. Physical reference diagram/CIRCUIT DIAGRAM



Unit: MM

4. OUTSIDE DIAGRA

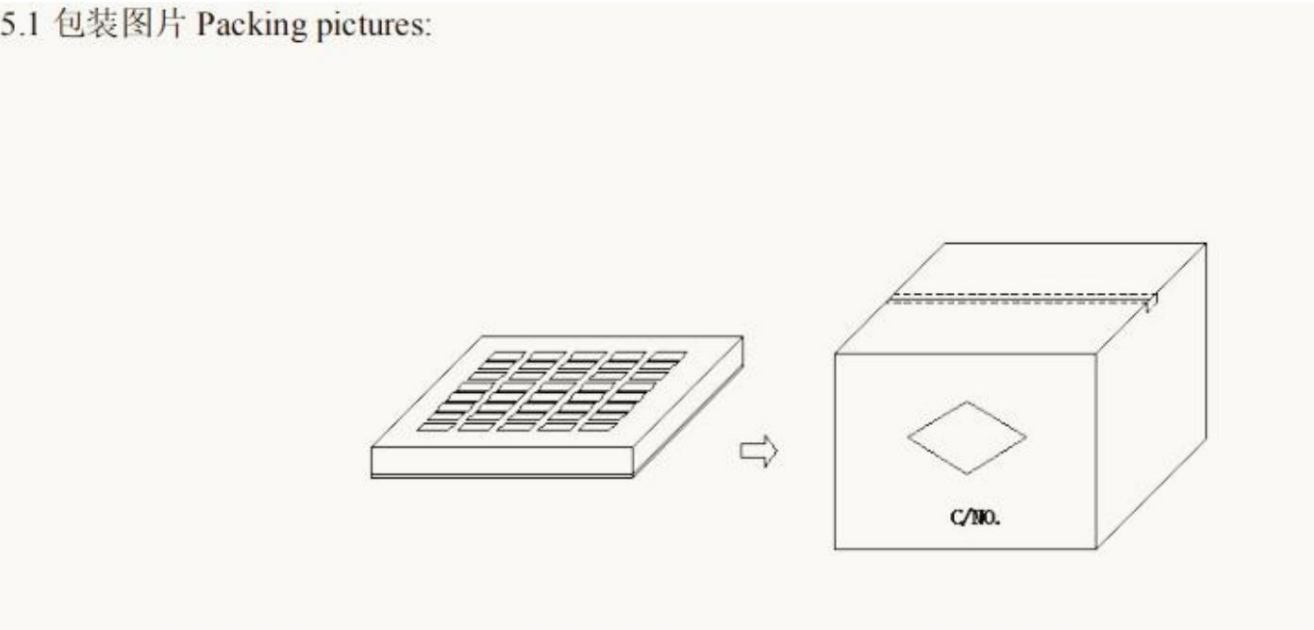


Unit: MM

- Note: 1. Wrap the coil outlet with 7MM (ref) high temperature adhesive tape.
2. Coil iron hard magnetic sheet, hard magnetic sheet size 43.5\*5\*0.75mm, opening L double slot magnetic sheet, 0.05mm back semi-matte black film on the front, Coil iron black film surface!
3. The back of the magnetic disk is covered with 42\*7\*0.12mm perforated tape with hand-tear position and ordinary double-sided tape!
4. The lead wire is passed through a black sleeve 1.0\*10mm long.
5. Tin head 3mm  $\pm 1.5\%$

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	1400 Pcs	360*340*280 mm

5.3 The packaging is based on the existing packaging tray and is subject to the actual delivery packaging. It can be customized if there are special requirements.

The packaging is subject to the existing packaging board and the actual delivery packaging.If you have any requirements, we can customize it.

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### 6. Storage and Use condition

#### 6.1 Storage condition

6.1.1 Recommended storage conditions: temperature -25 ~ 85 , humidity 70%

(Max.) Recommended storage conditions: -25 ~ 85 , 70%RH (Max.)

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

Shelf life: Six months from the date of production.

#### 6.2 Use condition

Use conditions: temperature = -25 ~ 85 , humidity 90%

Use conditions: T = -25 ~ 85 , RH 90%.

Dexinda