

Client: Yiwei

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Name/TYPE: A12 Single-hole, dual-groove back-coated wire, length 50 mm

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product model

Model NO
10UH

SG-A12-10UH

Model NO

SG-A12-

Product Number A12-050

Product Number A12-050

Part numbering systey

Customer Part Number

Client p/NO

job number

Enginrer NO

TQE 003

Enginrer NO

TQE 003

Date: 2025-11-20

2025-11-20

Company Engineering Department/For Engineer Partners Only	
Revised Content	Recognition Date/APProved Date

prepared / Prepared reviewed / checked approved / approved
checked approved / approved

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Customer-Approved Re-signature/Authorized Signature Company Seal		
Engineering/Engineer	Approved/QC APProved	Recognition Date / AP Proved

—、Coil Process/Winding Process:

NO	Winding	wire gage	number of turns	direction of winding	remarks
1	N1	2UEW-B-0.08*105P	12TS	CCW	
2					

II. Electrical Performance/Features:

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

1.1 Inductance

1.11 L0A (coil + magnetic plate) = 10 μ H $\pm$ 10%

1.2 Q-value = 90 MIN

1.3 DC resistance (DCR): MAX 65 m Ω

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

2. Test instruments: L: Chuangda 1068+1310; DCR: 502BC; SIZE: Calipers

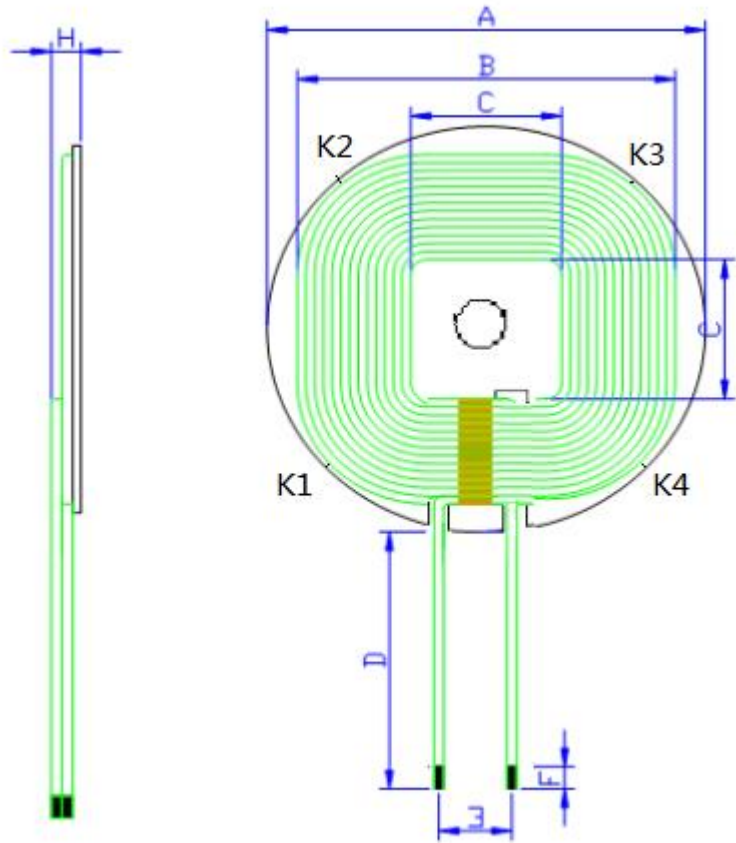
3. Materials List

N O	project	material
1	WIRE	¢ 0.08*105p 2UEW-1.15mm
2	FERRITE	50*5.3*1.0 Ferrite hard magnet
3	GLUE	White glue
4	SOLDER	XCD-907B
5	Adhesive	Back adhesive
6	High temperature adhesive	8mm high-temperature tape
7	UL	E238500
8		

3. Circuit Diagram / Circuit Diagram



IV. External Design Diagram / OUTSIDE DIAGRA



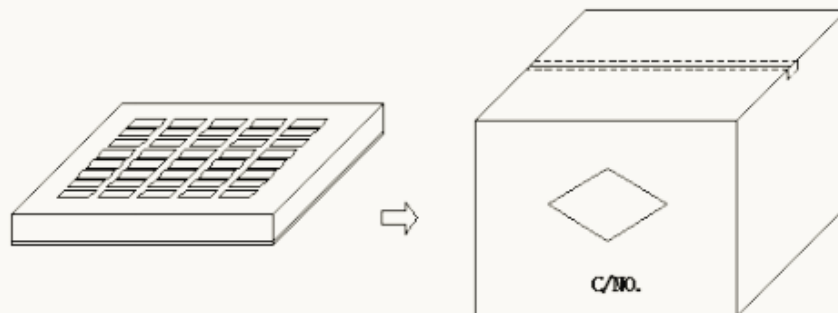
Note: The coil lead-out position should be wrapped with 8 mm (ref) high-temperature adhesive tape.

stand ard	A	B	C	D	E	F	H
STD	50±1	46.5±1.5	19.5±1.5	50±2	10Ref	2-5	2.8Max

unit : MM

5. Packaging/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	1400 Pcs	360*340*280 mm

5.3 Packaging shall follow the existing packaging trays as the reference standard, with actual shipping packaging being the final requirement; custom packaging can be provided upon special request.

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

VI. Storage and Use Conditions

6.1 Storage Conditions



6.1.1 Recommended storage conditions: Temperature -25°C to 85°C, humidity 70% (maximum).

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

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

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

6.2 Usage Conditions Usage Conditions

Usage conditions restrictions: Temperature = -25°C to 85°C, humidity $\leq$ 90%.

Use condition limit: T=-25°C~85°C, RH $\leq$ 90%.