

CUSTOMER	Ningbo weie Electronic Technology Co., Ltd	MATERIAL CODE	WE9020-B-45
DESCRIPTION	TX9020&2050-α23-17*2*2-S9H-45	PART NAME	COIL
KIND PLANK NO	CXZN20220263	D A T E	19 May 2022

## Revision record

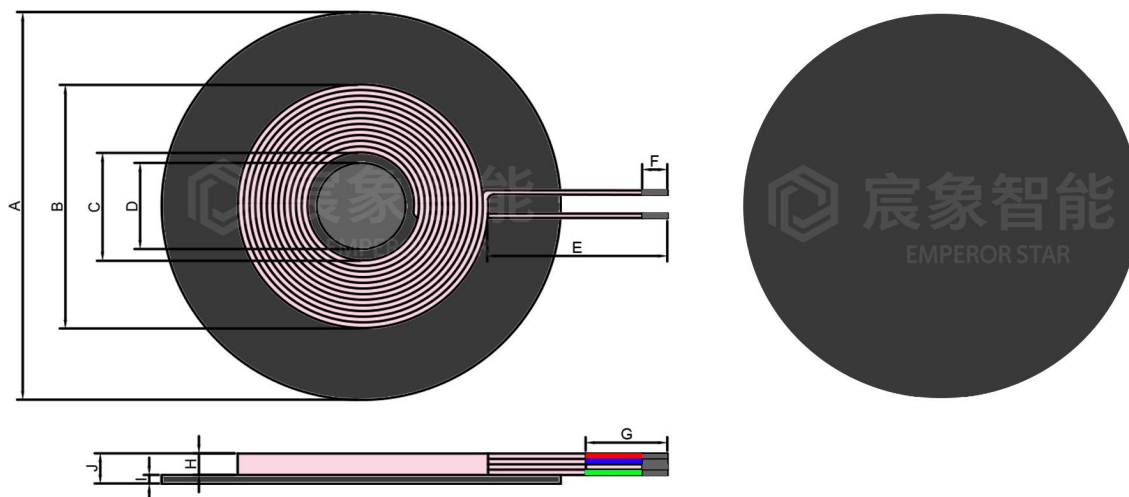
Date	Modify the content	Version	Checked	Approved
19 May 2022	Initial issue	V01		

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## 一、Appearance of size

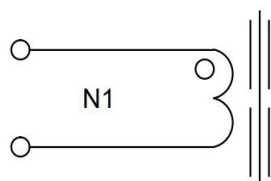
Unit: mm



Note: 1. Magnetic sheet ferrite hard magnet, with Nickel zinc in the center; 2.: coil alpha double layer \* 2;  
3. Coil pin color from top to bottom: red, blue, natural color, green; 4. Nickel zinc plus black film;

A	90±1	B	60.3±1.5	C	23±1	D	20±1	
E	45±2	F	4±2	G	25±2	H	5±0.5	
I	2.0±0.2	J	7±0.5					

## 二、Schematic Diagram



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### 三、 Winding Structure Diagram

WINDING	S	F	WIRE	TURNS	INDUCTANCE
N1	1	2	silk wire 0.05*250P	17*2 Ts	90 uH±5%
N2 (Near nickel zinc winding)	1	2	silk wire 0.05*250P	17*2 Ts	105uH± 5%

### 四、 Electrical parameters

TEST PROJECT	SPEC	TEST FREQ	TEST STRUMENTS
Inductance L (coil + magnetic piece)	90 uH±5% 105uH± 5%	at 25°C 1KHz/1V	HG2817A 200KHz
DC resistance (DCR)	180 mΩ MAX	at 25°C 1KHz/1V	HG2817A 200KHz

### 五、 BOM

MATERIAL	SPECIFICATIONS	MANUFACTURERS	UL UL FILE NO
WIRE	silk wire 0.05*250P	JIANGSU BAOJIELONG MAGNET WIRES CO.LTD (or equivalent)	E326176
Nickel zinc	90*2.0/20*5.0	JINRUI TECHNOLOGY CO.,LTD (or equivalent)	N/A

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## 六、 Winding Structure Diagram

appearance	1. The product shall be provided with a certificate of conformity and a waterproof and washable label, and the model and specification shall be indicated.
	2. The product appearance is clean and free of dirt.
packing	1. The packing box shall be marked with the model, quantity, delivery date, name of the manufacturer and delivery inspection seal of the product:
	2. After the goods are delivered to the customer, the sealing strip of the packing box shall be intact, and the box shall be free of damage, cracking and other phenomena:
	3 after unpacking, the packing materials in the box shall be free of damage. The products shall be packed in layers. If there is less than one box, padding shall be added.

