



深圳市恒泰盈科技有限公司

SHENZHEN HENGTAIYING TECHNOLOGY CO.,LTD

Coil specification

Date: 2022.12.07

To: supplier

From: SHENZHEN HENGTAIYING TECHNOLOGY CO.,LTD

Material code : 07600012

Model No: SG-9452

Total No. of Pages: Total 8 pages including this cover sheet

Signature by customer

SHENZHEN HENGTAIYING TECHNOLOGY CO.,LTD		Checked	Approved
	Name		
	Date		

File No/Version. :



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Update history

NO	Date	Version	Contents
1	2022-12-07	00	First release

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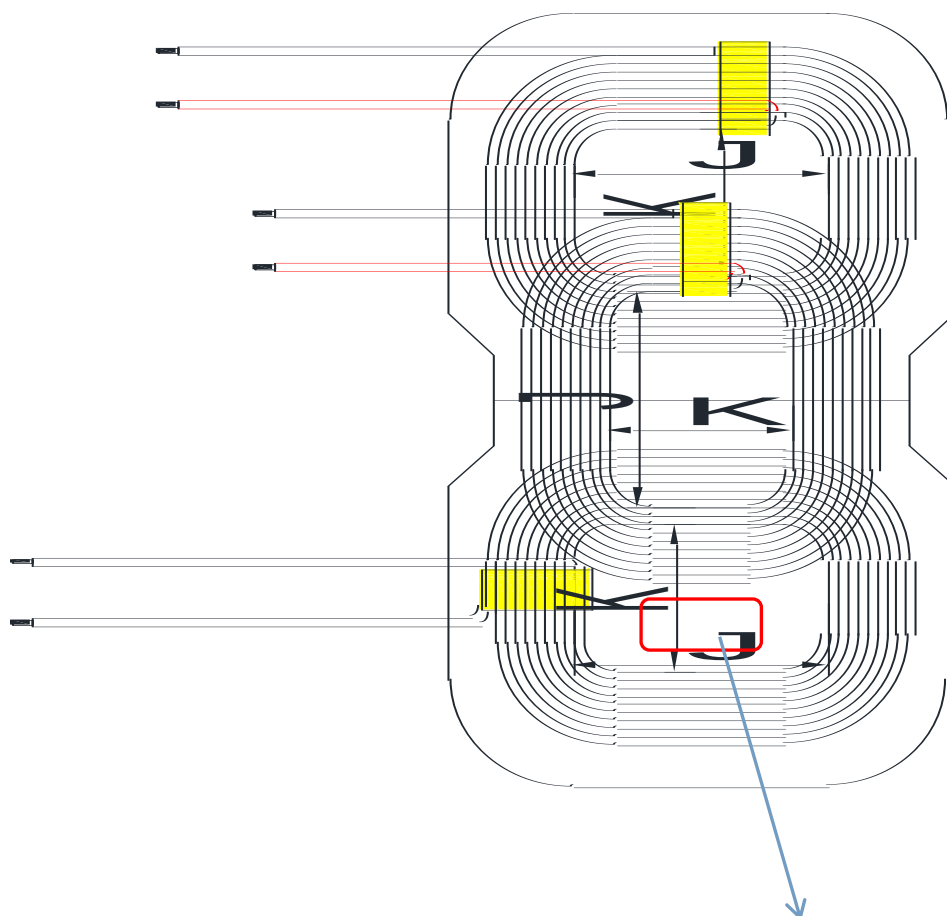
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1. Basic specifications

No.	product name	Coil model	manufacturer	remarks
1.0	three-winding	SG-9452	supplier	07600012



Add a small piece of double-sided adhesive tape

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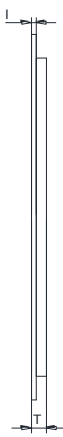
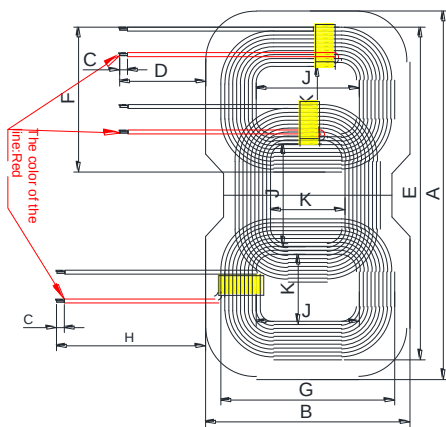
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2. External size diagram (unit : mm)



- 1) : Unit: MM
2) : Single-sided adhesive backing
3) : Material: Ferrite hard magnetic

Coil	Test conditions
6.8UH48%	1 Ambient humidity: 65±20% Ambient temperature: 25±5℃ 2 Test conditions : 100KHz 1V
Q Value (Min) 75	

Standard	A	B	C	D	H	E	F	I	T	G	K	J
STD	94.5mm 95mm	51.5mm 52mm	3mm-4mm	3mm±2mm	3mm±2mm	3mm-5mm	6mm-10mm 6mm-10mm	1.2mm-1.5mm 1.2mm-1.5mm	4.0mm-10mm 4.0mm-10mm	47mm-48mm	26.5mm-27.5mm 27.5mm-28mm	18mm-20mm

Item Model : A28Three coils/A28Coil/Three coils/CD75/Single-sided adhesive backing/
Press the drawing

Note: Add a 1.5mm
foam to the bottom of
the core (Black,
Adhesive backing)

Tips : The coil overlap is four lines, the initial winding 8MM high temperature tape.

standard	A	B	C	D	H	E	F	I	T	G	K	J
STD	95Ma x	52±1	3-4	22-23	37-38	80-84	40Max	1.2Max	4.0Max	47-48	26.5-27.5	18-20

unit : mm

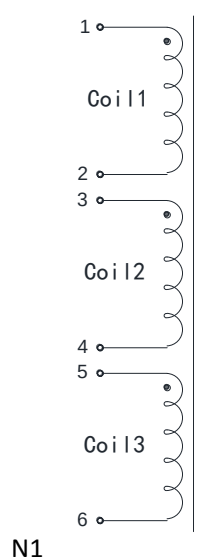
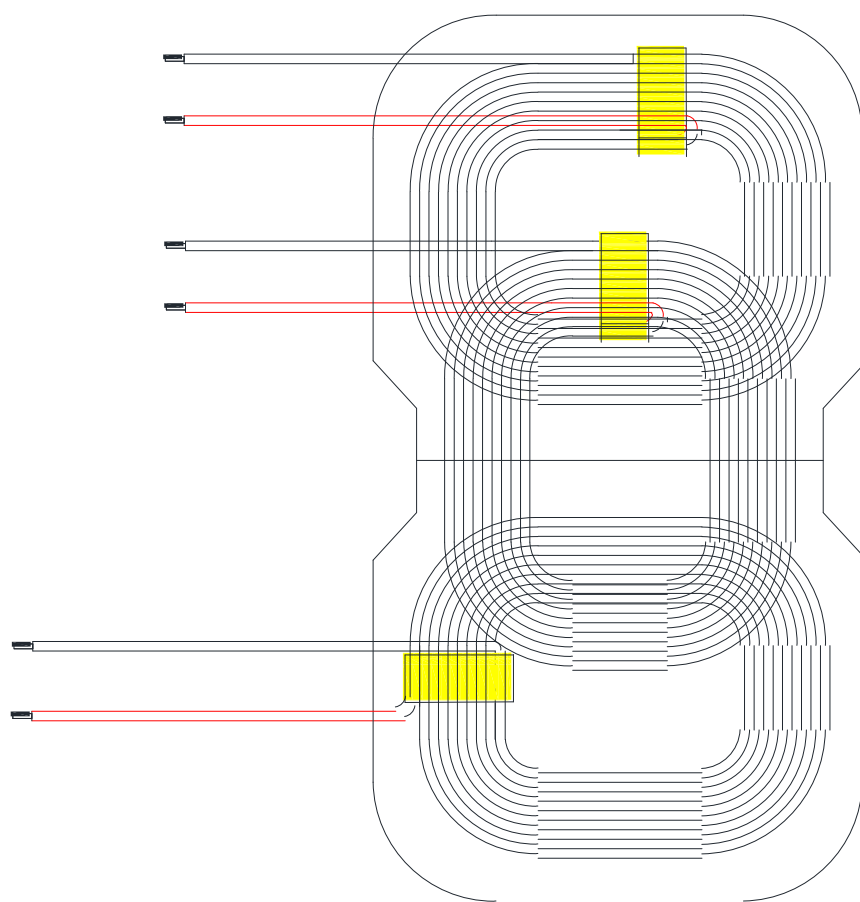
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3. circuit diagram



Electrical performance parameters

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5.1 test condition : ambient humidity : $65\pm 20\%$ ambient temperature : $25\pm 5^{\circ}\text{C}$

5.2 inductance value : Coil= $6.8\mu\text{H}\pm 8\%$ test condition : 100KHz 1V

5.3 direct-current resistance : $50\text{m}\Omega$ MAX

5.4 working temperature : $-25^{\circ}\text{C}\sim 130^{\circ}\text{C}$

5.5 bill of material

5.6 Q value=75MIN

5.6 bill of material

NO	project	material
1	WIRE	$\phi 0.08*105\text{p}$ 2UEW-1.15mm
2	FERRITE	94*52*0.8 Ferrite hard magnetic integrated molding
3	GLUE	alban
4	SOLDER	XCD-907B
5	Adhesive	application of gum

4. Coil process

NO	winding	wire gauge	number of windings	The number of glue ring	remarks
1	Coil1= Coil2=Coil 3	2UEW-B-0.08*105P	9TS		
2					

5. Appearance and packaging requirements

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1 exterior

1. The product shall have certificate of qualification, friction resistance and waterproof washing labels, indicating models and specifications.
2. The product appearance is clean and free of dirt.

2 package

1. The product should be packed in stratified intervals if one box, padded packing should be protected from impact collision, etc.
2. The cartoon box outside the package shall indicate the model name of the product, the factory date, the name of the manufacturer and the factory inspection seal.
3. After the goods reach the customer, the packing seal shall be in good condition without damage and cracking, and packed in the box

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