



# Shenzhen Shenguang Electronic Technology Co.,LTD

Add: No. 1165, Guangsheng Road, Guanlan Subdistrict, Longhua District, Shenzhen City

Client Shenzhen ShuoYu Technology Co., Ltd.

TYPE A11-43.5 Single coil Adhesive line length 50MM

Model NO SG-A1143.5-6.5UH-050

Part numbering systey

Client p/NO DZQT00069A0

Enginrer NO TQE 1800510003

Date June 14, 2024

For Enginer Departner Only	
Rrvised Content	APPROved Date

Prepared

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Checked

DuanJiaWang

Approved

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Authorixed Signaturure Company Chop		
Enginrer	QC APPROved	APPROved



## 一、 Winding Procese:

NO	winding	guage	number of windings	direction of winding	Note
1	N1	2UEW-B-0.08*105P	10TS	CCW	
2					

## 二. FEATURES:

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

1.1 Inductance

1.11 L0A (Single coil) =3.8uH±20%

1.12 L0A(Coil + Magnetic Plate)=6.5uH±10%

1.2 Q value=70MIN

1.3 DCR: 55mΩ MAX

1.4 Operating Temperature: -25°C~85°C

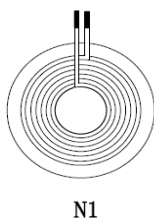
2. Test instrument: **L:** Chuangda1068+1310; **DCR:** 502BC; **SIZE:** Callipers

3. List of Materials

NO	Item	Materials
1	WIRE	φ 0.08*105P 2UEW
2	FERRITE	43.5 * 5.3 * 0.8 L double-slot ferrite hard magnet
3	GLUE	white glues
4	SOLDER	XCD-907B
5	Adhesive	double-sided adhesive
6	High temperature adhesive	6MM (Ref) High Temperature Adhesive Tape
7		

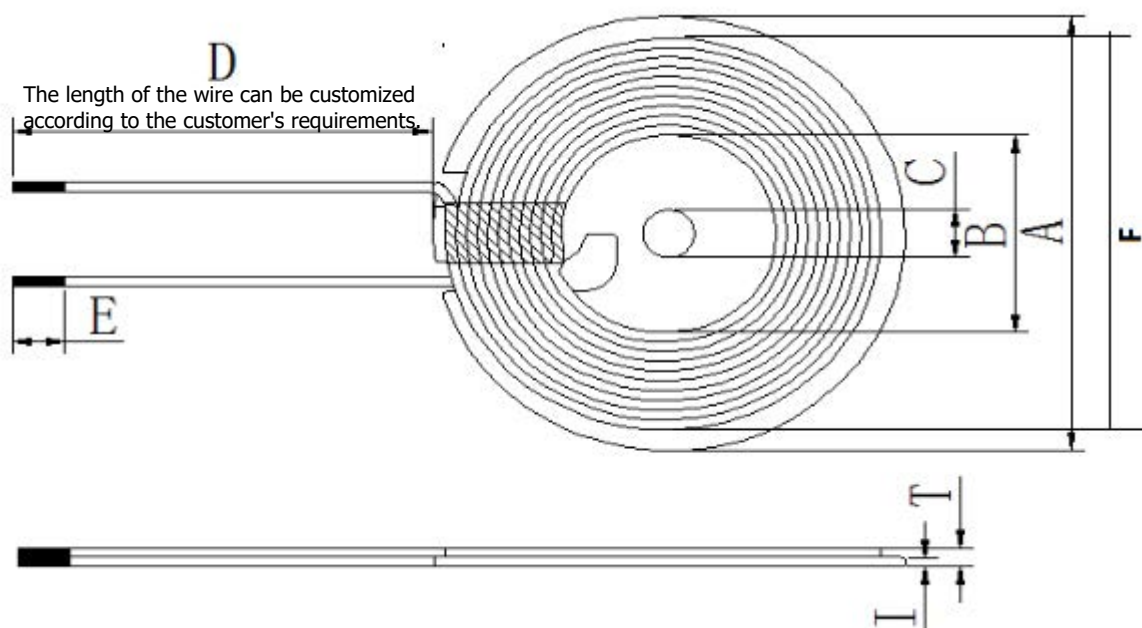
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## 三. CIRCUIT DIAGRAM



Unit: MM

## 四. OUTSIDE DIAGRA



Note: The outlet position of the coil is wrapped with 6MM (ref) heat-resistant adhesive tape.

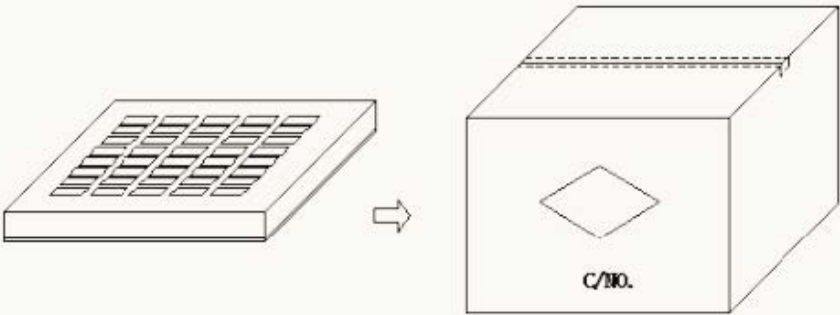
	A	B	C	D	E	F	I	T
STD	43.5±0.5	20.5±1.2	5.3±0.5	50±2	2-5	42±1.2	0.8±0.1	2.6Max



Unit: MM

五. PACKAGE

5. Packing pictures:



5.2

Packing Quantity:

Item	Quantity	Material
Box	350 Pcs	345*330*50 mm
Big Carton	1400 Pcs	360*340*280 mm

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



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## 六、Storage and Use condition

### 6.1 Storage condition

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

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

### 6.2 Use condition

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