



# Shenzhen Shenzhou-Guangzhou Electronic Technology Co., LTD

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Customer / Client Shuo yu

Name / TYPE emission coil 50MM

product model

Model NO SG-A12-10UH

Product No.00080500001

Part numbering systey

Customer material number

Client p/NO

job number

Enginrer NO TQE 1800510003

Date / Date 2021-2-1

The Company's Engineering Department / For Enginer Departner Only	
Modify the content of / Rrvised C o ntent	Date of approval / APProved Date

Preparation / Prepared review / Checked approval / Approved

Duan Jiawang, Xie Liang and Xie Xiaozhai

Customer approval back / Authorized Signaturure Company Chop		
Engineering / Enginrer	Accreditation / QC APProved	Date of approval / APProved

—、Coil Process / Winding Procese:

NO	winding	wire gage	number of turns	direction of winding	remarks



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1	N1	2UEW-B-0.08*105P	12TS	CCW	
2					

## two. Electrical performance / FEATURES:

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

1.1 Inductance Amount (Inductance)

1.11 L0A (coil + magnetic chip) = 10 uH ± 5%

1.2 Q value = 90 MIN

1.3 DC resistance (DCR): 85 mΩ MAX

1.4 Operating temperature (Operating Temperature): -25°C ~85°C

2. Test instrument (Test instrument): L: Chuangda 1068 + 1310; DCR: 502BC; SIZE: Callipers

## 3. List of materials

N O	project	material
1	WIRE	φ 0.08*105p 2UEW-1.15mm
2	FERRITE	50 * 5.3 * 1.0 Ferric oxide hard magnetic
3	GLUE	alban
4	SOLDER	XCD-907B
5	Adhesive	gum
6	High temperature adhesive	The 8MM high-temperature adhesive tape
7		
8		

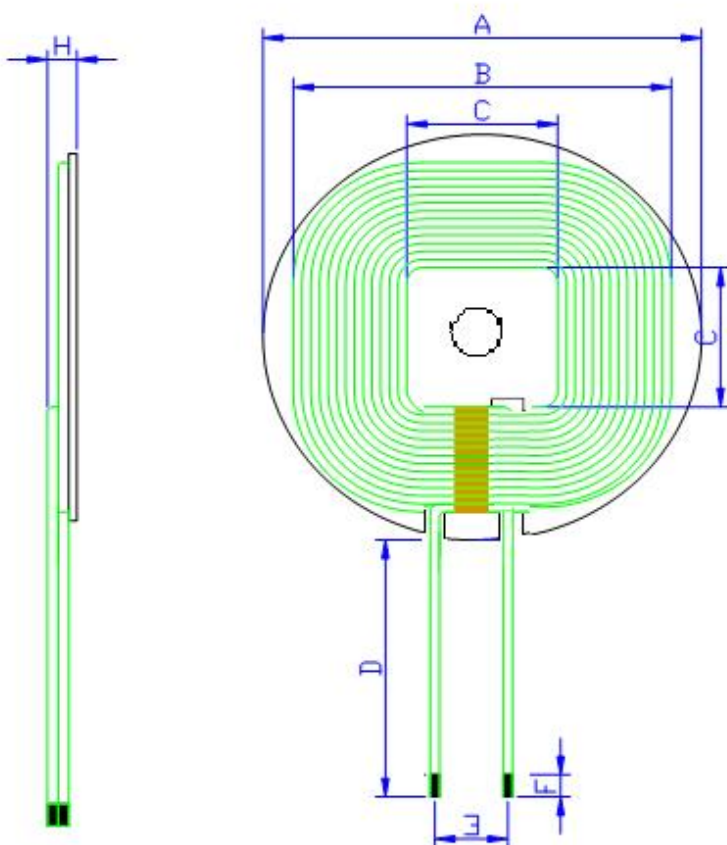


### 三. Electric Circuit Diagram / CIRCUIT DIAGRAM



unit:MM

### four. Outline drawing / OUTSIDE DIAGRA



Note: 8MM (ref) around the out position of the coil

stan dard	A	B	C	D	E	F	H	
STD	$150 \pm 1$	$48 \pm 1$	$20 \pm 0.5$	$8 \pm 2$	10Min	2-5	2.8Max	

unit:MM

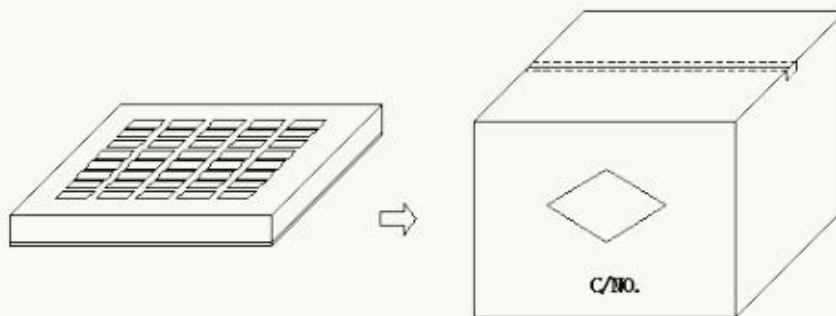
### 五. Packaging / PACKIGE



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## 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 shall be based on the existing packaging plate as the reference standard, and the actual shipping packaging shall prevail. If there are special requirements, it can be customized.

***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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### 6. Storage and use conditions Storage and Use condition

#### 6.1 Storage conditions of Storage condition

6.1.1 Recommended storage conditions: temperature  $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , humidity of 70% (Max.)

Recommended keeping conditions:  $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , 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 Use condition Use condition

Limit of use conditions: temperature =  $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , and 90% humidity

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