

Ciient **Firststar**

TYPE Wireless charging transmitting coil: 8.1 UH

Model NO G43.5*5.3*0.6 double-slot with holes black film with adhesive on both sides and inclined grooves. The total length of the line is 39MM, plus NTC.

Enginrer NO MC133 model - 190 - 0391 - 0 - 00

Date June 23, 2025

For Enginer Departner Only	
Rrvised Cintent	APProved Date
	

Prepared

Checked

Approved

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Enginrer	QC APProved	APProved

一、 Winding Procese:

NO	Winding	guage	umber of windings	direction of winding	Note
1	N1	2UEW-B-0.08*24*2P	11TS	CCW	
2					

二. FEATURES:

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

1.1 Inductance

1.2 L0A=8.1uH±5%

1.3 Q value= 42 MIN

1.4 DCR: 92 mΩ ±5%

1.5 Operating Temperature: -25°C~85°C

2. Test instrument: **Tong hui TH2830**

3. bill of materials

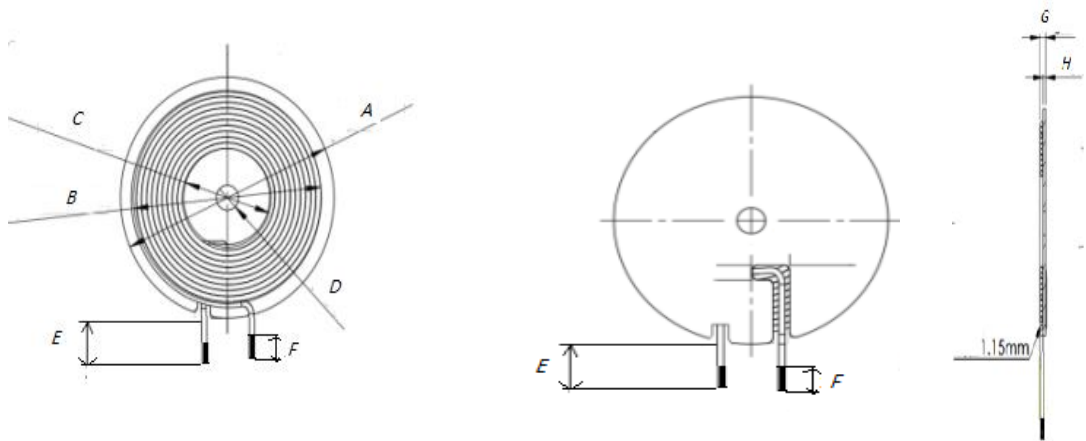
item	materials
WIRE	φ 0.08*24*2P 2UEW-
FERRITE	43.5 * 5.3 * 0.6 L-shaped double-slot, perforated ferrite hard magnetic, positive black film, double-sided adhesive on both sides
GLUE	Water-based white glue
SOLDER	HQ-996/JS-996
Tin	Kanjiro Pure Tin
High temperatur e adhesive	Apply 5MM heat-resistant adhesive tape
	NTC 25@10K ±1% L=80mm 3950K red enamel wire Tin coating length 1-2mm Probe maximum 1.8mm WKT

三. CIRCUIT DIAGRAM



Unit: MM

四. OUTSIDE DIAGRA



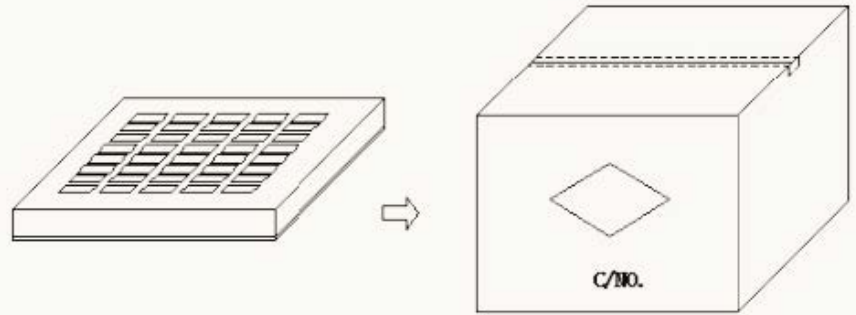
Note: The spacing between the outlet positions is 5mm. Use hot glue tape. The width of the inclined slot outlet is 3-5mm. Add NTC.

	A	B	C	D	E	F	G
TD	43.5±0.5	39±1	20.5±0.5	5.3±0.5	39±2	3±1	1.5±0.2

Unit: MM

五. PACKAGE

5.1 Packing pictures:



5.2 Packing Quantity:

Item	Quantity	Material
Box	350 Pcs	345*330*50 mm
Big Carton	1750 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: $T = -25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, $\text{RH} \leq 90\%$.