

Product Approval Sheet

Custome Dongguan Han Kai Electronics Co., Ltd.

Model H10320

Cust. P/N 101.20.06290

Spec. Transmitting coil transmitting coil / DIP / $8.4\mu\text{H} \pm 5\%$ / Dimensions¹ Outer diameter $D = 43 \pm 1\text{mm}$ ²
aluminum thickness 1mm³ copper foil + magnetic sheet
Slot thickness 2.3mm (max) / Outgoing wire length $8\text{mm} \pm 1\text{mm}$ / Tin plated $2\text{mm} \pm 1\text{mm}$ / ROHS
2.0 / REACH

Sample Qty 3PCS

Date 2025-1-10

(Inner signatures)

(Customer Signatures)

(Prepared By): Li jingjing

(Precheck By):

(Checked By): Huang liubing

(Checked By):

(Approved By): Wang weizaho

(Approved By):

Dongguan Honour Electronic Co., Ltd.

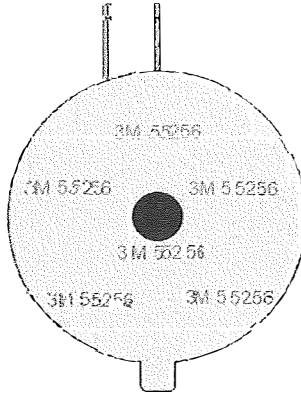
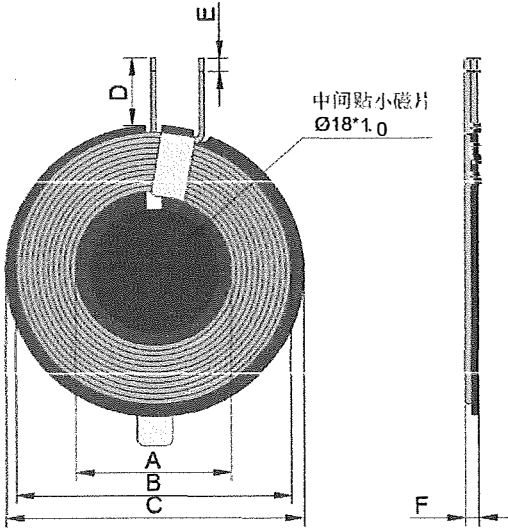
Product type

Wireless Charging
coil

 HONOUR	Product Specification		Model	H10320
			Ver.	A2
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Customer Code	H103	Product Name	Wireless charging coil 101.20.06290	
Specification	22*39.3*0.08*65P*11TS+G42.5+G18	Winding Direction	CCW	
Document issue record				
Ver.	Modify Desc.		Issue Date	
A0	new issue		2024-11-26	
A1	@Change the length of the connection line (from the original 12mm to 10mm) @Update the product schematic diagram		2025-1-2	
A2	Change the length of the connecting wire (from the original 10mm to 8mm)		2025-1-10	
		Prodct Type	Wireless Charging coil	
Dong Guan Honour Electronic Co.,Ltd.				

	Product Specification		Modell	H10320
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Customer Code	H103	Product Name	Wireless charging coil 101.20.06290	
Specification	22*39.3*0.08*65P*11TS+G42.5+G18	Winding Direction	CCW	

一. Product Size (Unit: MM)



Items	Size	Tol.
A	21.46	+1.0 -0.5
B	39.3	±0.5
C	42.5	±0.8
D lead	8.0	±1.0
E	2.0	±1.0
F (不含离形纸厚度)	2.30	max

二. Schematic diagram



Note:

1、Lead wires cross over each other

2、42.5*1.0 double straightslot magnetic sheet + coil attachment + middle attach 18*1.0 circular sheet + attach 3M55256 self adhesive tape with

3、3mm height and 9 temperature adhesive tape

三. Winding Specification:						
Wdg Type	Wire		Wire OD	Turns	Layer	
CCW	S	F	0.08*65Pvarnished wire	11	1	

四. Electrical Characteristics

No.	Properties	Test conditions	Value	Unit	Tol.	Tester
1	LS	100KHZ/1V	8.4	μH	±10%	TH2830
2	DCR	@25° C	70	mΩ	max	TH2516

五. Material list

NO.	Material	Spec.
1	Enamel covered twisted wire	0.08*65P
2	Ferrite dual straightslot hard magnetic sheet ferrite hard magnetic	42.5*1.0
3	Round sheet single ear double sided adhesive tape	18*1.0
4	high temperature tape	3M55256 42(±1.0)*7*0.05 5mm
5	High temperature tin	Width
6		Environmental friendly high temperature tin

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六. Reliability Testing

1	Temperature and humidity resistance test	test condition	Temperature: $65 \pm 2^{\circ}\text{C}$, Relative Humidity: $93 \pm 2\%\text{RH}$, 24 hours	quantity	Result
		test method	After the experiment, the samples were left at room temperature for a period of time. Their appearance and functions were then inspected. The samples were placed in an environment with a temperature of $65 \pm 2^{\circ}\text{C}$ and a humidity of $93 \pm 2\%\text{RH}$. They were left there for 24 hours.	2	Pass
2	High and low temperature cycling test	test condition	$-40 \pm 2^{\circ}\text{C} / 1\text{H}$, for 1 minute; then raise to $55 \pm 2^{\circ}\text{C} / 1\text{H}$, for a total of 36 cycles; then return to normal temperature for 2 hours.	quantity	Result
		test method	The samples were placed at a base temperature of $-40 \pm 2^{\circ}\text{C}$ per hour and were rotated with in the incubator to a high temperature of $55 \pm 2^{\circ}\text{C}$ per hour. This was repeated as a cycle for 24 cycles (totaling 48 hours).	2	Pass
3	salt spray test	Test conditions:	5% concentration saline solution, temperature 35 degrees Celsius, spray for 2 hours	quantity	Result
		test method	The sample was placed in the test environment, in a sealed chamber at a temperature of $35 \pm 2^{\circ}\text{C}$, with a humidity of 85%. A $5\% \pm 1\%\text{NaCl}$ solution (with a pH value ranging from 6.5 to 7.2) was used to conduct a continuous salt spray test on the sample for 2 hours. The test was carried out to determine whether the performance was qualified.	2	Pass

七. Operating environment

Operating Temperature	-20°C 至 $+85^{\circ}\text{C}$
Storage Temperature	-20°C 至 $+60^{\circ}\text{C}$
Test conditions of Electrical Properties	Temperature : $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$
	humidity: $65\% \pm 5\%$

八. Inspection standard

During the inspection process, a caliper with an accuracy of no less than 0.02mm is used for inspection by observation or comparison with the sample plate; the inspection method is in accordance with GT/T 2828.1-2012, with an inspection grade of II. CR = 0, MA = 0.25, MI = 0.65

九. Environmental requirements

This product complies with the environmental protection requirements of RoHS and Reach.

Dong Guan Honour Electronic Co.,Ltd.	Product type	Wireless charging coil
Address: 5th Floor, Building D4, Huibang Science and Technology Park, No. 4, Hongye Middle Road, Yongtuo Community, Chang'an Town, Dongguan City Http: //www.forewell-tech.com	Ver.	A

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