



PRODUCT SPECIFICATION FOR APPROVAL

CUSTOMER:

PRODUCT NAME: Wireless charging coil

PART No.: S104-Qi2

PRODUCT SPEC:

Inductance: 8.1uH±10%
Shielding spec: 42.5*5.3*0.65mm with two grooves
+20*1mm additional circle shielding
Wire spec: 2 UEW/155 0.08*65*11Ts (20.5mm inner diameter)
Segment Length: 45mm
3mm high temperature gold finger
Rated current: 5A

DATE: 2026/05/16

VERSION: REV 1.0

Revision	Modified Content	Principle	Date	Note
REV 1.0	First release-English Version	Xiaoju zhou	2026-05-14	
PREPARED BY		CHECKED BY	APPROVED BY	
Authorized signature & company chop				

Attached is the product specification , any questions, please timely feedback to us, thank you!



Shenzhen Chenxing Electronic Technology Co, Ltd.

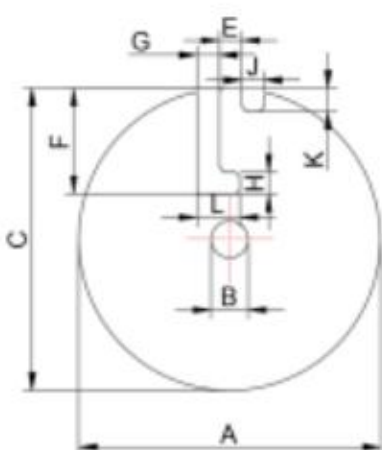
Version Change History

版本记录 Revision	变更前 Before change	变更后 After change	变更日期 Date	批准 Approval by

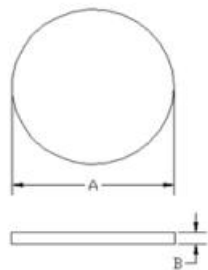


SPECIFICATION

一、Ferrite 1-42.5*5.3*0.65mm with two grooves

	*A	41.9-42.5mm
	*B	5.4±0.2mm
	*C	42±0.3mm
	E	3±0.3mm
	磁片厚度	0.65±0.05mm
	F	12.1±0.4mm

二、Ferrite 2-20*1mm additional circle shielding

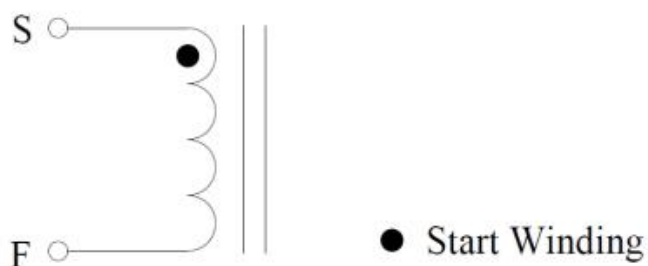
	A	20 ±0.50mm
	B	0.95±0.05mm



三、Dimension specification:

	Coil Inner Diameter	$20.5 \pm 0.5\text{mm}$
	Coil Outer Diameter	$39 \pm 1.5\text{mm}$
	Total Thickness	$<2.0\text{mm}$
	Segment Length	$45 \pm 2\text{mm}$
	Pin Length	2-4mm
	Adhesive Tape	/
	High temperature gold finger tape	3mm

四、Schematic:



五、Coil specification

TERMINAL		WIRE	Turns	Winding Direction
S	F	0.08*65P	11Ts	CCW



六、Electrical Specification:

TEMPERATURE:25±10°C, RELATIVE HUMIDITY:65±20%

ITEM	SPECIFICATION	TEST FREQUENCY	TEST EQUIPMENTS
L	8.1uH±10%	100KHz/1.0V	VICTOR 4092D
Q	大于 65		

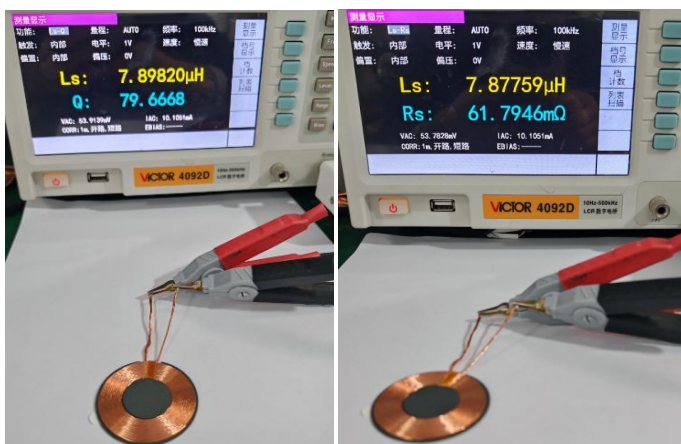
七、Environment character

ITEM	SPEC
Operating Temperature and Humidity	-30°C-80°C/30%-90%
Storage Temperature and Humidity	-40°C-90°C/30%-90%

八、Material List

Items	Materials	SPEC
1	Wire	0.08*65p 2UEW
2	Shielding	42.4*0.65mm with two grooves +20*1 additional circle shielding)
3	Glue	white emulsion
4	Tin	Environmentally friendly lead-free materials
5	3mm high temperature gold finger	3mm high temperature gold finger

九、Figure



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