



Shenzhen Chenxing Electronic Technology Co., Ltd.

Material Approval Document

Dongguan Chuangming Fuxing Electronic Technology Co., Ltd.

Supplier Name: Shenzhen Chenxing Electronic Technology Co., Ltd.

Supplier Code: DZ00019

Part No.: F321000294

Part Name: TX Transmitter Coil

Part Specification: 8.1uH $\pm$ 10% / 43.5*5.3*0.65 double- slot + 20*0.8 small round ferrite piece / Thickness 1.2 mm / Lead- out length 37 mm / Embedded NTC 3950 / 100K / 1% / 1.0 epoxy resin tip / NTC lead- out length 42 mm / With black heat- shrink film sleeve / Double- sided adhesive tape on coil surface

Brand: Chenxing

Cavity Quantity: 5 PCS

Remarks: Deliver samples corresponding to cavity quantity. Write "N/A" if no cavity. For other types of materials, provide no less than 5 PCS samples.

Document Version: A0 Document No.: Applicable to: Remarks: Document number shall be compiled by our company.

SupplierCompany Seal	SupplierCompany Seal	Chuangming FuxingCompany Seal	Chuangming FuxingCompany Seal
Prepared by: Li XiaoyunDate: 2026- 08- 20	Reviewed by: Zhou XiaojuDate: 2026- 08- 20	Approved by: Xue LeiDate: 2026- 08- 20	Authorized by:Date:
Approved by:Date:	Verified by:Date:	Quality Dept. :Date:	Authorized by:Date:

Company Name: Shenzhen Chenxing Electronic Technology Co., Ltd.

Factory Address: 5th Floor, Building 1, Xinkecheng Science & Technology Industrial Park, No.51 Dabao Road, Xin'an Sub- district, Bao'an District, Shenzhen



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Revision History

Version Reason for Change Modified by Revision Date

A0 Initial Release Xue Lei 2026- 08- 20

PRODUCT SPECIFICATION FOR APPROVAL

CUSTOMER Charmfox

PRODUCT NAME MPP Transmitter Coil

PART No. F321000294

PRODUCT SPEC Inductance: 8.1 uH $\pm 10\%$ Ferrite spec: 43.45.30.5 mm double- slot + 200.5 mm straight- slot Wire spec: Enameled wire 0.0824211Ts (Inner diameter 20.5 mm / Outer diameter 40 mm) Lead- out length: 37 mm, sleeve 35 mm 8 mm high- temperature tape / Front- side 40*21 ordinary double- sided adhesive tape / Perforated black film on reverse side NTC spec: 100K 3950, 1.1 mm small tip, lead- out length 42 mm (measured from ferrite edge)

DATE 2026- 08- 20

VERSION A0

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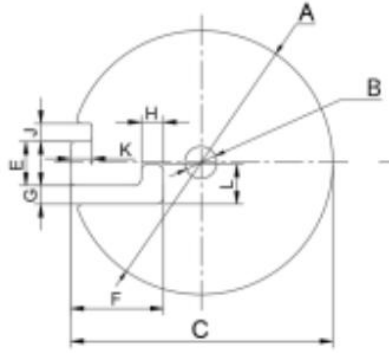
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SPECIFICATION

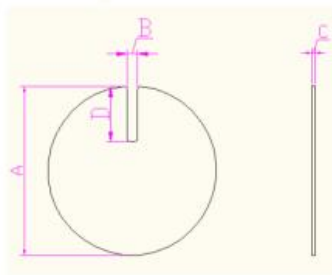
1. Ferrite- 1: 43.55. 30.5mm Double- slot Ferrite

Item	Dimension
*A	43.2 ± 0.4 mm
*B	5.3 ± 0.3 mm
Ferrite Thickness	0.5 ± 0.05 mm
E	7 ± 0.3 mm



2. Ferrite- 2: 20*0.5mm Straight- slot Ferrite

Item	Dimension
A	20 ± 0.50 mm
B	1.5 ± 0.3 mm
C	0.5 ± 0.05 mm
D	4.0 ± 0.3 mm

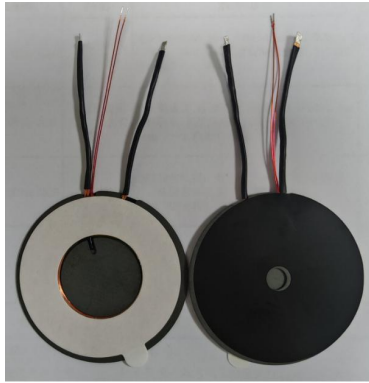


3. Dimension Specification

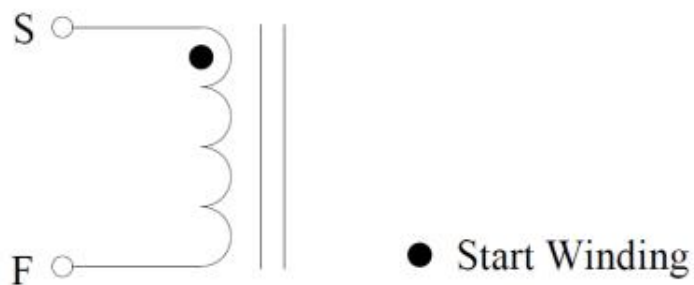
Description	Specification
Coil Inner Diameter	20.5 ± 0.5 mm
Coil Outer Diameter	40 ± 1.5 mm
Product Thickness (without release liner)	Perimeter < 1.3 mm Fold section < 1.5 mm
Lead- out Length (measured from ferrite edge, with sleeve)	37 ± 2 mm
Tin Tip Length	2- 4 mm
Back Adhesive	Front- side ordinary double- sided tape 40*21 mm
NTC Lead- out Length (measured from ferrite edge)	42 ± 2 mm
High- temperature Tape	8 mm width

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4. Schematic Diagram



5. Coil Specification

Terminal	Wire	Turns	Winding Direction
S- F	Enameled wire 0.08*24P double strand	11Ts	CCW (Counter- Clockwise)

6. Electrical Characteristics

Test Condition: Temperature 25±10℃, Relative Humidity 65±20%

Item	Specification	Test Condition	Test Equipment
L (Inductance)	8.1 uH ±10%	100 kHz /1.0 V	VICTOR 4092D
Q (Quality Factor)	>40	100 kHz /1.0 V	VICTOR 4092D

7. Environmental Characteristics

Item	Specification
Operating Temperature & Humidity	- 30 ℃ ~ 80 ℃ / 30%- 90% RH
Storage Temperature & Humidity	- 40 ℃ ~ 90 ℃ / 30%- 90% RH

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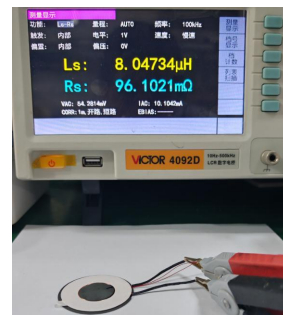
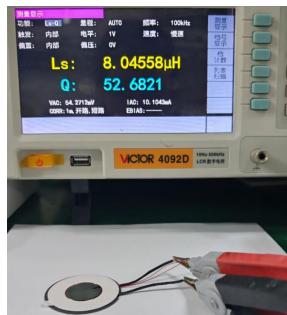
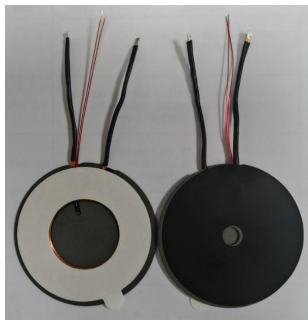
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8. Material List

No.	Material	Specification
1	Wire	0.08*24P, 2UEW heat- resistant enameled copper wire
2	Ferrite	43.45.30.5 mm double- slot + 20*0.5 mm straight- slot
3	Adhesive	Water- based white latex
4	Solder Bar	Lead- free environmental grade
5	Double- sided Tape	Outer diameter 40- 42 mm on reverse side, with tear- off tab
6	Heat- shrink Tube	Ultra- thin 35 mm, 2 PCS
7	NTC Thermistor	100K 3950, 1.1 mm small tip
8	Tape	8 mm high- temperature tape

9. Product Photos



Including: LCR tester test screenshots and physical photos of transmitter coil.

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