

SHENZHEN CHENXING ELECTRONIC
TECHNOLOGY CO., LTD.

SPECIFICATION FOR
APPROVAL

CUSTOMER NAME		DATE	August 26, 2025					
PRODUCT NAME	A11 Transmitter Coil	PART NO.	XF. 43-450MB-001					
REVISION	REV 1.1	RATED CURRENT	3A					
PRODUCT SPECIFICATION				Inductance Spec: 6.5uH ± 10%	Ferrite Sheet Spec: 43.5 × 0.5 mm Single Slot, Front Black Film	Wire Spec: 0.08 × 24 × 2 × 10Ts (ID: 20.5mm)	Lead Wire Length: 45mm	Adhesive / Tape: 3mm High-Temp Tape / Standard Double-Sided Adhesive

REVISION HISTORY

Revision	Modified Content	Principle	Date	Note
REV 1.0	Initial Release	Xue Lei	2024-01-25	
REV 1.1	Added black film to front surface	Zhou Xiaojun	2025-08-26	

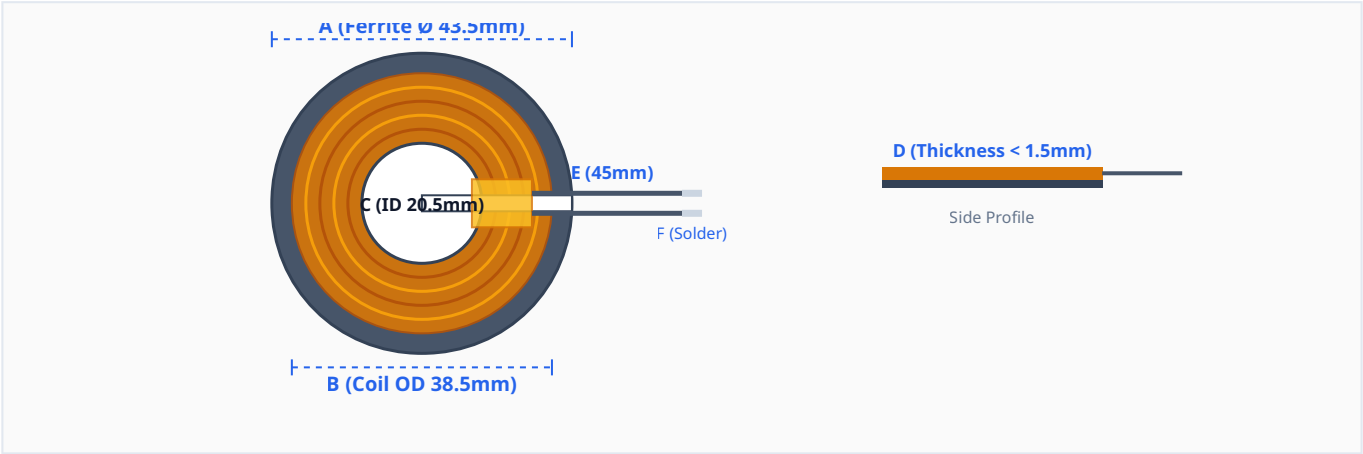
APPROVAL SIGNATURES

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVAL
Zhou Xiaojun			Authorized Signature & Company Chop Sign / Seal Here

Notice: Attached is the product specification. If you have any questions or require further clarification, please feel free to provide feedback promptly. Thank you!

Company Name: Shenzhen Chenxing Electronic Technology Co., Ltd.
Factory Address: 5th Floor, Building 1, Xinkecheng Technology Industrial Park, No. 51 Dabao Road, Xin'an Street, Bao'an District, Shenzhen, China

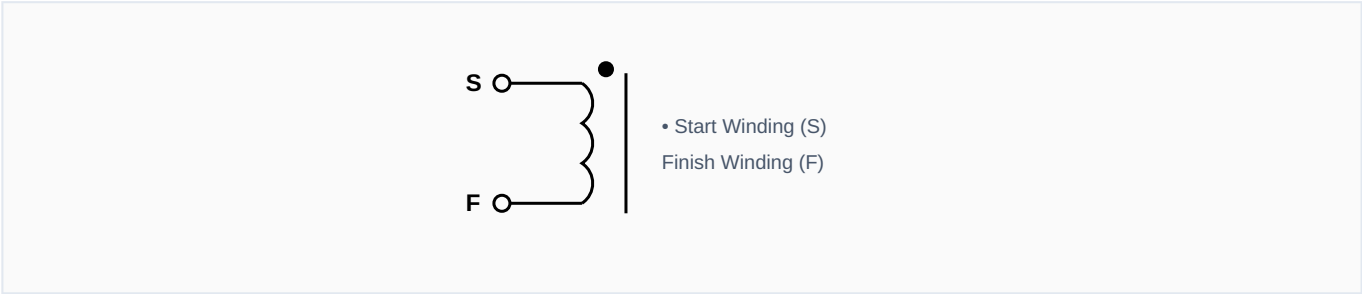
1. PRODUCT DIMENSIONS & STRUCTURE



Mark	Item Description	Specification & Tolerance
A	Ferrite Sheet Diameter	43.5 ± 0.5 mm
B	Coil Outer Diameter (OD)	38.5 ± 1.0 mm
C	Coil Inner Diameter (ID)	20.5 ± 0.5 mm
D	Overall Product Thickness	< 1.5 mm
E	Lead Wire Out Length	45 ± 3 mm
F	Tinning / Solder Coat Length	3 + 2 mm
G	Ferrite Sheet Center Hole Diameter	No Hole
-	Ferrite Sheet Thickness	0.5 ± 0.1 mm
-	Ferrite Sheet Shape & Finish	Circular, Single Slot, Front Black Film
-	Adhesive Type	Standard Double-Sided Adhesive
-	High-Temperature Tape Specification	3mm Tape

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2. SCHEMATIC DIAGRAM



3. WINDING PARAMETERS

Terminal	Wire Specification	Turns	Winding Direction
S - F	Enameled Wire 0.08 × 24P (Bifilar Winding)	10 Ts	CCW (Counter-Clockwise)

4. ELECTRICAL CHARACTERISTICS

Test Environment: Temperature: 25 ± 10 °C | Relative Humidity: 65 ± 20 %

Item	Terminal	Specification	Test Frequency	Test Equipment
Inductance (L) Quality Factor (Q)	S - F	L: 6.5 uH ± 10% Q: > 35	100 KHz / 1.0 V	VICTOR 4092D

5. ENVIRONMENTAL CHARACTERISTICS

Item	Specification Range
Operating Temperature & Humidity	-30 °C to +80 °C / 30% to 90% RH
Storage Temperature & Humidity	-40 °C to +90 °C / 30% to 90% RH

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