CUSTOMER: /____ **DATE:** 2025/09/29

APPROVAL SPECIFICATION

ROHS+HS
COMPLIANT

PRODUCT NAME: Inductor

YOUR PART NO.:

OUR PART NO.: CMTKX03-1

VERSION: V1.0

RECEPTION **THE SPECIFICATION HAS BEEN ACCEPTED.** **COMPANY:** **DATE:**		
CFMD	**CHKD**	**RCVD**

MANUFACTURING NAME

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CFMD.	CHKD.	DSGD.
Remo	Ysong	Lmin

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【Change History】

Rev.	Effective Date	Changed Contents	Change reasons	Approved By
1.0	2025/09/29	New release	/	Remo

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1. Scope

This specification is applied to the Automotive Electronics transformer CMTKX03-1

2. Shape and Dimensions

2.1 Shape

Dimensions (Unit：mm)

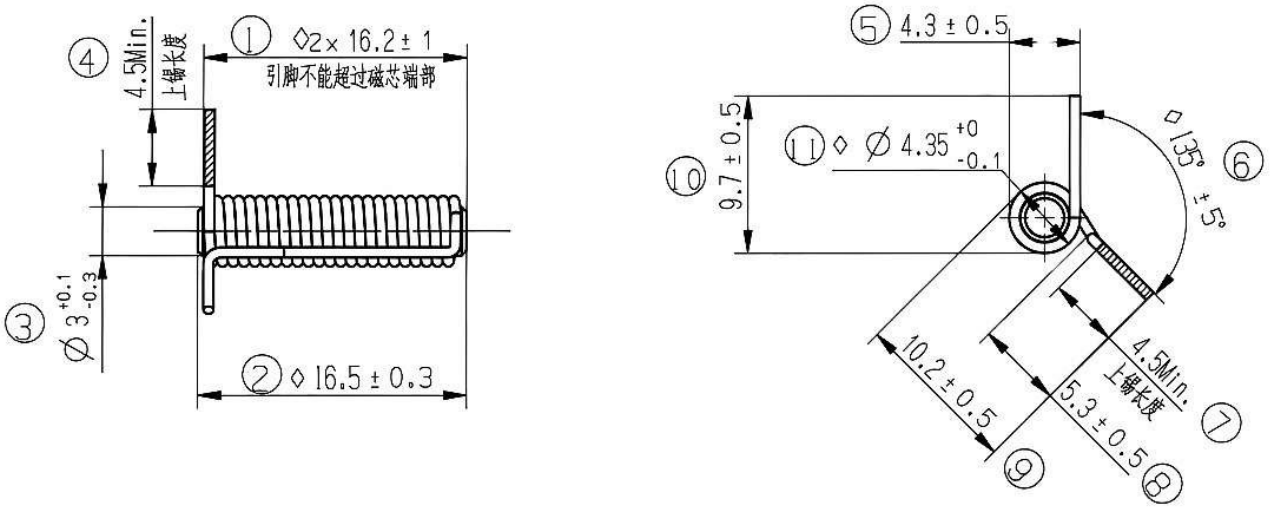


Fig.2.1

3. Schematic

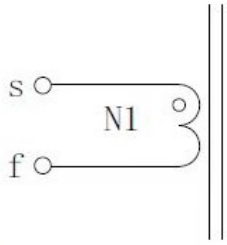


Fig.3.1

4. Winding Specification

NO.	Winding	Start	End	Wire Spec	Turns	Tape Layer	Winding Note
1	N1	s	f	Ø0.65mm*1P	21.4	/	/

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5. Electrical Test

NO.	ITEM	TEST TERMINAL	TEST SPECIFICATION	TEST CONDITION
1	INDUCTANCE	Pin (s-f)	4.6μH Min	1kHz,1V,25℃
2	Push-out force	Minimum axial pull force	2.5kg.f Min	25℃
3	Hi-pot	Core-Coil	300Vac	1mA,1min
4	Operating temperature	-40℃~+125℃		

6. Material List

NO.	ITEM	MATERIAL DESCRIPTION	TEMP. (FLAME) CLASS	VENDER.	UL FILE NO.
1	CORE	Ferrite Ø3mm*16.5mm	—	1.DMEGC 2.TDG HLDING CO., LTD 3.RUYUAN DONGYANGGUANG	—
2	WIRE	QZY-1	180℃	TAI-I COPPER (GUANZHOU) CO LTD	E234896
3	GLUE	G-500	180℃	LOCTITE	E123995

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