CUSTOMER: /____ **DATE:** 2025/11/22

APPROVAL SPECIFICATION

ROHS+HS
COMPLIANT

PRODUCT NAME:	Inductor
YOUR PART NO.:	/
OUR PART NO.:	CMTHR23-1
VERSION:	V1.0

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

MANUFACTURING NAME

SHENZHEN MICROGATE TECHNOLOGY CO.，LTD
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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	2025/11/22	New release	/	Remo

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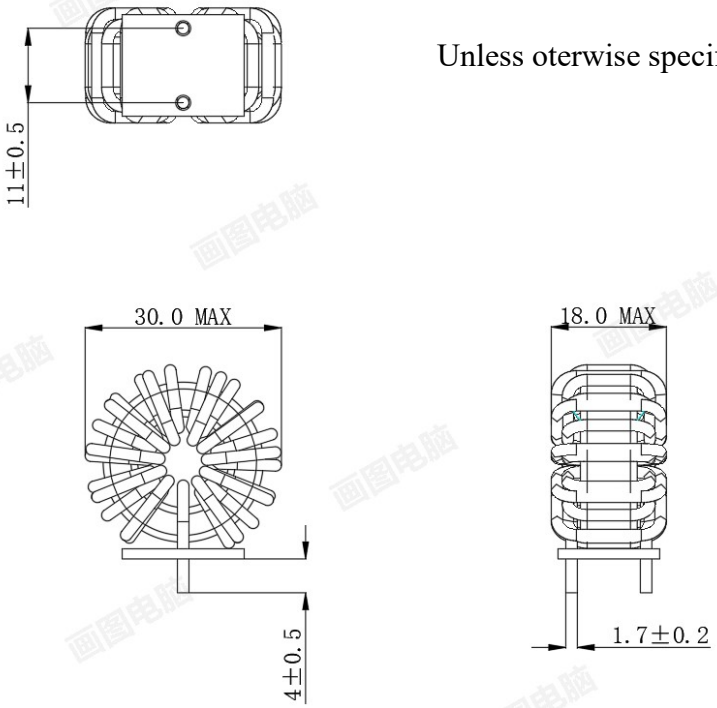
1. Scope

This specification is applied to the Automotive Electronics transformer CMTHR23-1

2. Shape and Dimensions

2.1 Shape

Dimensions (Unit :mm)



Unless oterwise specified,tolerance±0.5

Fig.2.1

NOTE:/

3. Schematic

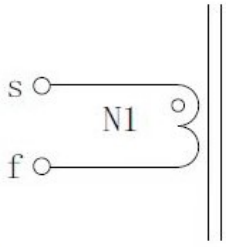


Fig.3.1

4. Winding Specification

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NO.	Winding	Start	End	Wire Spec	Turns	Tape Layer	Winding Note
1	N1	s	f	1EIWH Ø 1.7mm*1P	26Ts	/	/

5. Electrical Test

NO.	ITEM	TEST TERMINAL	TEST SPECIFICATION	TEST CONDITION
1	INDUCTANCE	Pin (s-f)	43.94μH±10%	100kHz,1.0V,25℃
2		Pin (s-f)	19μH @15A	100kHz,1.0V,25℃
3	DCR	Pin (s-f)	TBDmΩ MAX	At 25℃

6. Material List

NO.	ITEM	MATERIAL DESCRIPTION	TEMP. (FLAME) CLASS	VENDER.	UL FILE NO.	RoHS
1	CORE	TYPE: T23.62*13.39*8.38 NPH090090	-	1. CSC 2. ACYC	N/A	Y
2	WIRE	1EIW	180℃	TAI-I COPPER (GUANZHOU) CO LTD	E234896	Y
3	BASE	FR-4	130℃	KINGBOARD LAMINATES HOLDINGS LTD	E123995	Y
4	EPOXY	G-500	-40℃-180℃	LOCTITE	N/A	Y

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