CUSTOMER: /____ **DATE:** 2026/2/28

APPROVAL SPECIFICATION

ROHS+HS
COMPLIANT

PRODUCT NAME: CMC Inductor

YOUR PART NO.:

OUR PART NO.: PMTLX56-1

VERSION: V1.0

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

MANUFACTURING NAME

SHENZHEN MICROGATE TECHNOLOGY CO.，LTD
Address: Microgate Technology Building, No. 16, Technology Road, Pingshan, Shenzhen, China.

CFMD.	CHKD.	DSGD.
Remo	Ysong	ZJ

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【Change History】

Rev.	Effective Date	Changed Contents	Change reasons	Approved By
1.0	2026/2/28	New release	/	Remo

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1. Scope

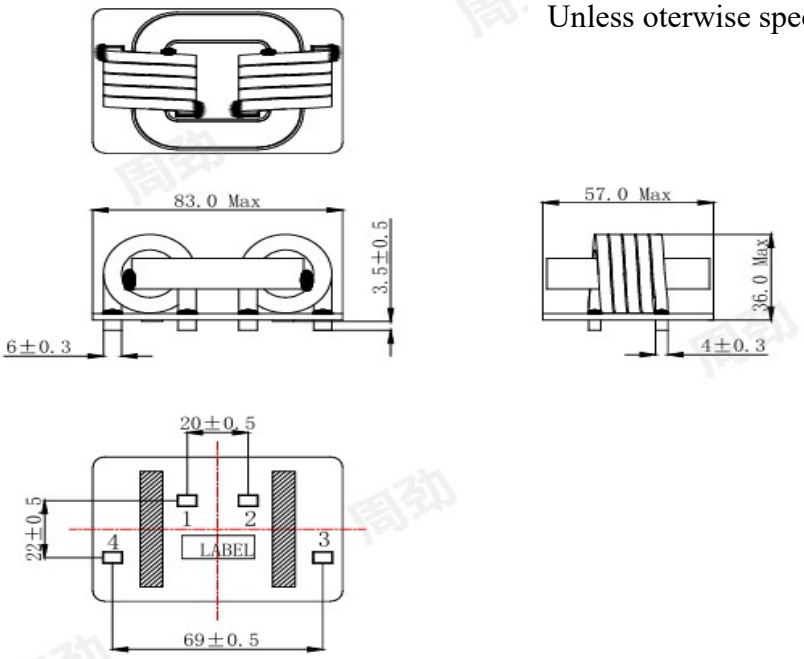
This specification is applied to the Automotive Electronics transformer PMTLX65-1

2. Shape and Dimensions

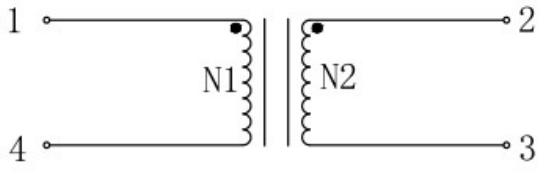
2.1 Shape

Dimensions (Unit :mm)

Unless oterwise specified,tolerance±0.5



3. Schematic



" ● ": POLARITY,

4. Winding Specification

WINDING	WIRE(mm)	S-F	TURNS(Ts)	TAPE TURNS(Ts)	NOTE
N1	4mm*6mm wire	1-4	5 REF	/	Vertical wound coil
N2	4mm*6mm wire	2-3	5 REF	/	Vertical wound coil

5. Electrical Characteristics

NO.	Parameters	Test Terminal	Electrical Specifications	Test Condition
1	Lp	L(1-4,2-3)	400μH MIN	at 10kHz,0.3V,25℃
2	DCR	PIN(1-4,2-3)	1.0mΩ MAX	at 25℃
3	HI-POT	N1-N2	AC 3.5KV	50Hz 2mA 3SEC

6. Material List

NO.	ITEM	TYPE	SUPPLIERS	UL NO.
1	CORE	TYPE:SQ56 MATERIAL:1K107B	1.CACETH 2.POURLEROI 3.ATM	N/A
2	MAGNET WIRE	MARK DSG: EIW THERMAL RATING:180℃	TAI-I COPPER (GUANZHOU) CO LTD	E234896
3	BASE	MODEL:FR-4 THERMAL RATING:130℃	KINGBOARD LAMINATES HOLDINGS LTD	E123995
4	GLUE	TYPE:6065 THERMAL RATING:150℃	GUANGZHOU HUITIAN NEW MATERIAL CO LTD	

7.Weight

Net Weight:****g/pc(ref)

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