CUSTOMER: /____ **DATE:** __2023/04/03_____

APPROVAL SPECIFICATION

ROHS+HS
COMPLIANT

PRODUCT NAME:	3.3μH/100A_Inductor
YOUR PART NO.:	/
OUR PART NO.:	CMBLX27-3
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.
Postcode：518122
TEL: 86-755-28085000
FAX: 86-755-28085605

CFMD.	CHKD.	DSGD.
Remo	Ysong	Lmin

Confidential for Microgate

【Change History】

Rev.	Effective Date	Changed Contents	Change reasons	Approved By
1.0	2023/04/03	New release	/	Remo

Confidential for Microgate

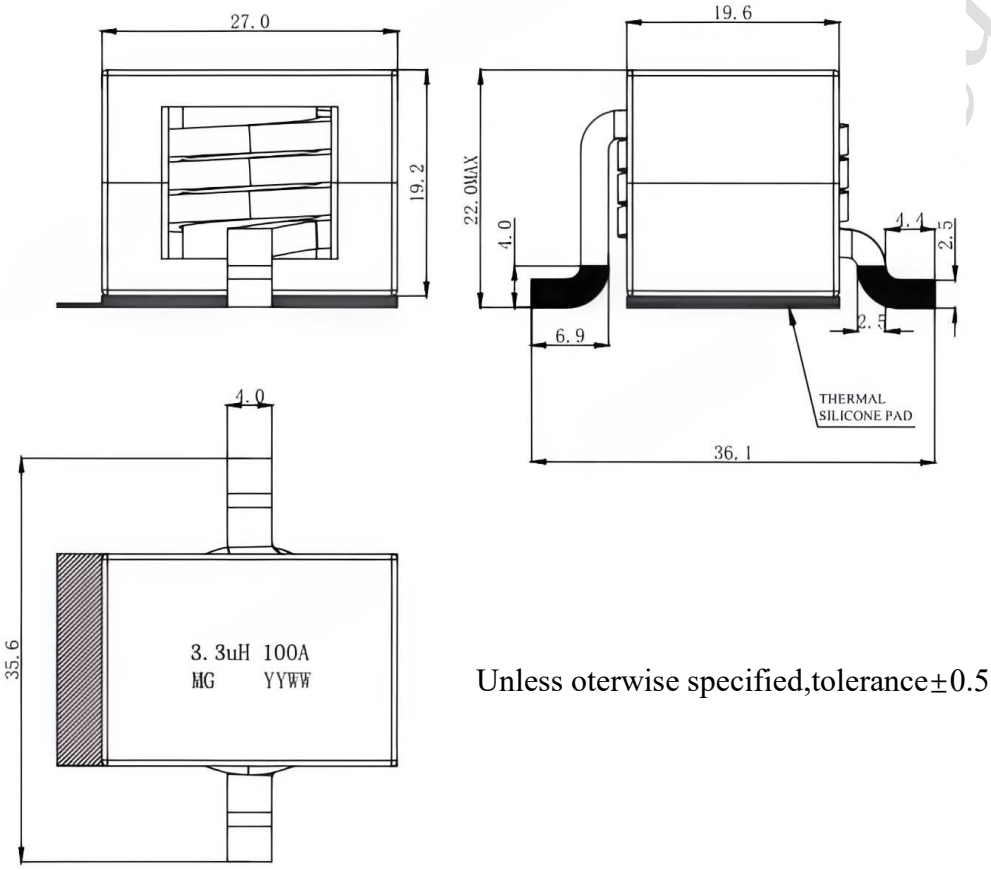
1. Scope

This specification is applied to the Automotive Electronics transformer CMBLX27-3

2. Shape and Dimensions

2.1 Shape

Dimensions (Unit :mm)



Unless oterwise specified,tolerance±0.5

NOTE

1. Glue core mating surfaces with high-temp adhesive. Core end difference 0.5mm MAX. Glue core to flat coil.
2. No varnishing. Coplanarity 0.4mm MAX. Finished size per drawing.
3. Attach 1.0mm thermal pad under core.
4. Label: 3.3μH/100A+MG+YYWW.
5. Unmeasurable dimensions refer to fixture.

3. Schematic&Suggested Pad layout

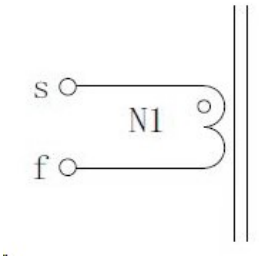


Fig.3.1

4. Winding Specification

NO.	Winding	Start	End	Wire Spec	Turns	Tape Layer	Winding Note
1	N1	s	f	1EIWH 2.5mm/t*4.0mm/w	3.5Ts	/	/

5. Electrical Test

NO.	ITEM	TEST TERMINAL	TEST SPECIFICATION	TEST CONDITION
1	INDUCTANCE	Pin (s-f)	3.3μH±15%	100kHz,1.0V,25℃
2	INSULATION RESISTANCE	COIL-CORE	100MΩ MIN	DC 500V
3	DIELECTRIC WITHSTAND VOIT	COIL-CORE	DC 500V	50Hz/60Hz,5mA,3s

6. Material List

NO.	ITEM	MATERIAL DESCRIPTION	TEMP. (FLAME) CLASS	VENDER.	UL FILE NO.	RoHS
1	CORE	TYPE:ER27 JNP96	-	1. SHANDONG JIANUO CO.，LTD 2. DOGCI	N/A	Y
2	WIRE	EIW/AIW	200℃	1. WUXI YOUFAUN ELECTRIC CO.，LTD 2. WELL ASCENT ELECTRONIC （GUANZHOU）CO.，LTD	E343483 E318511	Y
3	EPOXY	G-500	180℃	LOCTITE	E123995	Y
4	THERMAL SILICONE PAD	TCK10-T015	130℃	AOK	N/A	Y

Confidential for Microgate