



承認書

SPECIFICATION FOR APPROVAL

CUSTOMER:

DESCRIPTION:

COMMON MODE CHOKE

PART NO:

MWBA0805D900系列

CUST. PART NO:

REV. NO.

A0

DRAWING		
PREPARED	CHECKED	APPROVED
邹声平	卢嘉良	曾凡强
DATE:	2025/5/5	

CUSTOMER APPROVE

DDY® 德立电子 & 铭易轩

东莞市铭易轩电子科技有限公司

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MODIFY RECORD 变更履历

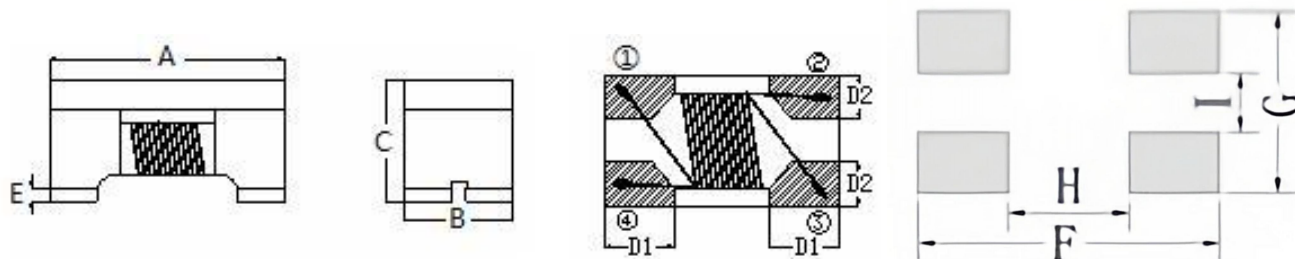
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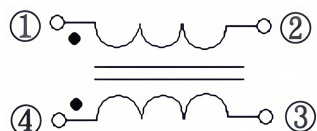
1. SHAPE & DIMENSION (UNIT:mm)



Recommended patterns

A	B	C	E	D1	D2	F	G	I	H
2.0 ±0.1	1.2 ±0.1	1.2 ±0.1	0.2 ±0.1	0.55 Typ.	0.46 Typ.	2.60 Typ.	1.25 Typ.	0.40 Typ.	0.80 Typ.

2. SCHEMATIC



3. PART NUMBERING SYSTEM

MWBA 0805 D 900 P T - G4 - HF
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① PRODUCT SYMBOL (产品代号)
- ② DIMENSIONS (规格尺寸)
- ③ TYPE (类型)
- ④ IMPEDANCE (阻抗)
- ⑤ TOLERANCE (公差) : P±25%; N±30%
- ⑥ PACKAGING (包装方式) : T-编带盘装; B-散装
- ⑦ IDENTIFICATION CODE(标识码): 无则缺省此项.
- ⑧ E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

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4. ELECTRICAL CHARACTERISTICS

No.	Part Number	Z	Freq	Rdc	Irms	Rated Voltage	Insulation Resistance	Cut-Off Frequenc	
		(Ω)	(MHz)	(Ω)Max.	(mA)Max.	Volts	(MΩ) Min.	(GHz)	
1	MWBA0805D900PT-G4-HF	90	100	0.35	400	50	10	4.5 Typ.	USB 2.0
2	MWBA0805D900PT-HF	90	100	0.35	400	50	10	7.5 Typ.	USB 3.0
3	MWBA0805D900PT-F3-HF	90	100	0.42	400	50	10	10 Typ.	USB 3.2

Test remarks

- (1). All test data is referenced to 25 °C ambient.
- (2). Irms: Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms.

5. GENERAL SPECIFICATION

- (1). Operating temp.: -40°C ~ +125°C (Including self-generated heat).
- (2). Storage temp.: -10°C ~ +40°C R.H.:60% Max.
- (3). Moisture sensitivity level (MSL) 1
- (4). Recommended products should be used within 12 months from the date of delivery
- (5). The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

注意:

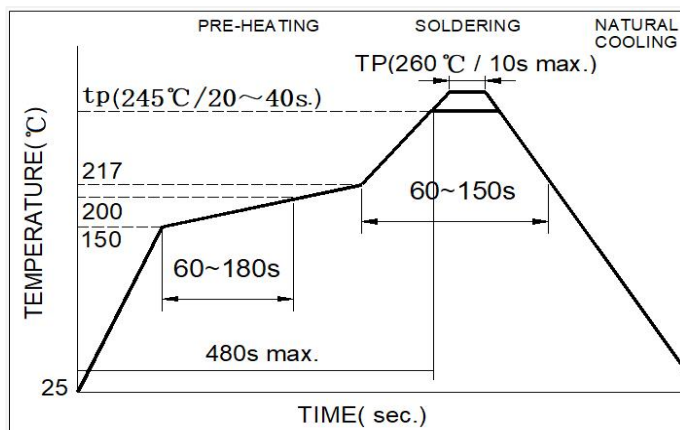
此物料不涉及汽车或相关产品方面的应用，否则，由此引起的一切品质和责任问题，我司将概不承担。

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6. SOLDERING CONDITIONS

Figure 1. Re-flow Soldering (Lead Free)



Note:

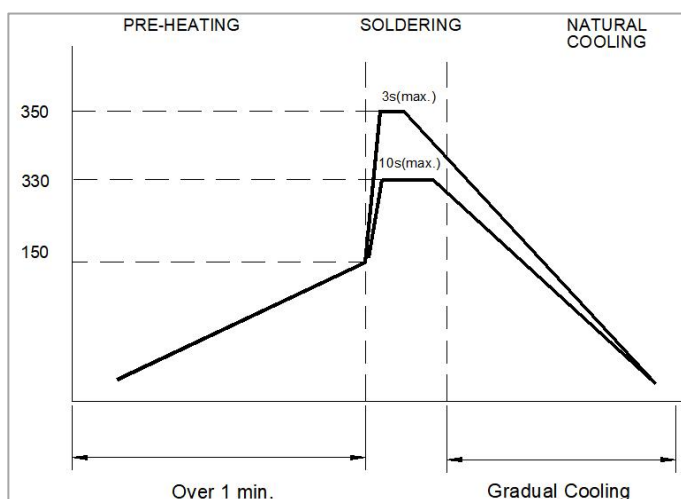
Preheat circuit and products to 150°C

260°C tip temperature (Max.)

Reflow times: no more than 2 times

Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

Figure 2. Hand Soldering



Note:

Use a 20 watt soldering iron with tip diameter of 1.0mm

Limit soldering time to 3 sec.

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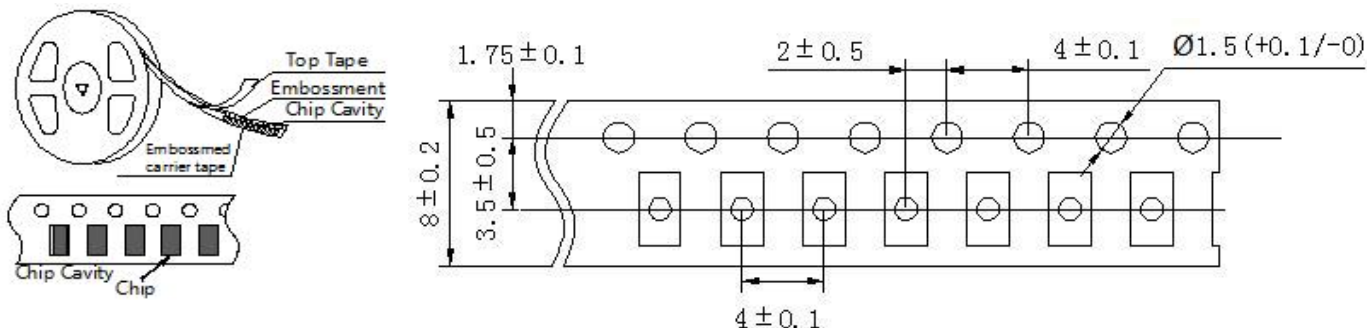


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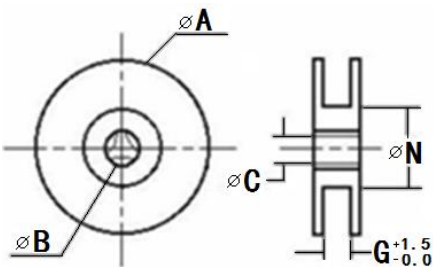
7. PACKAGE SPECIFICATION

TAPING DRAWINGS

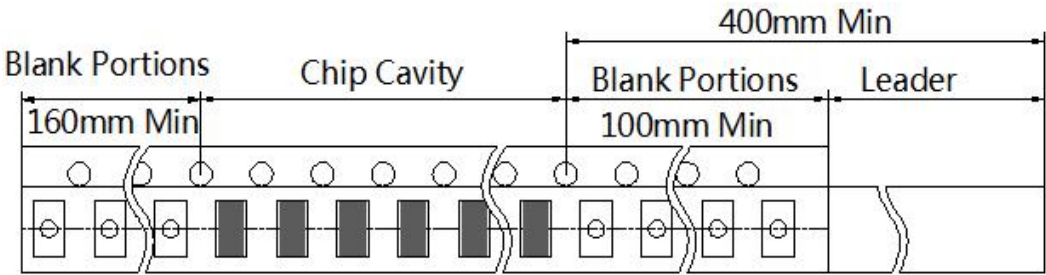


REEL DIMENSIONS(UNIT:mm)

	A	B	C	N	G
CF-8	178±2.0	22±2.0	12.5±1.5	57±2.0	8



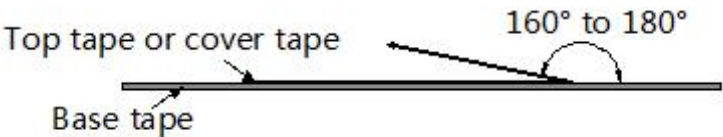
LEADER AND BLANK PORTION



(3). Packaging Quantity

Type	0805
Quantity	2000

PEELLING OFF FORCE:0.05 to 0.7N in the direction show below.



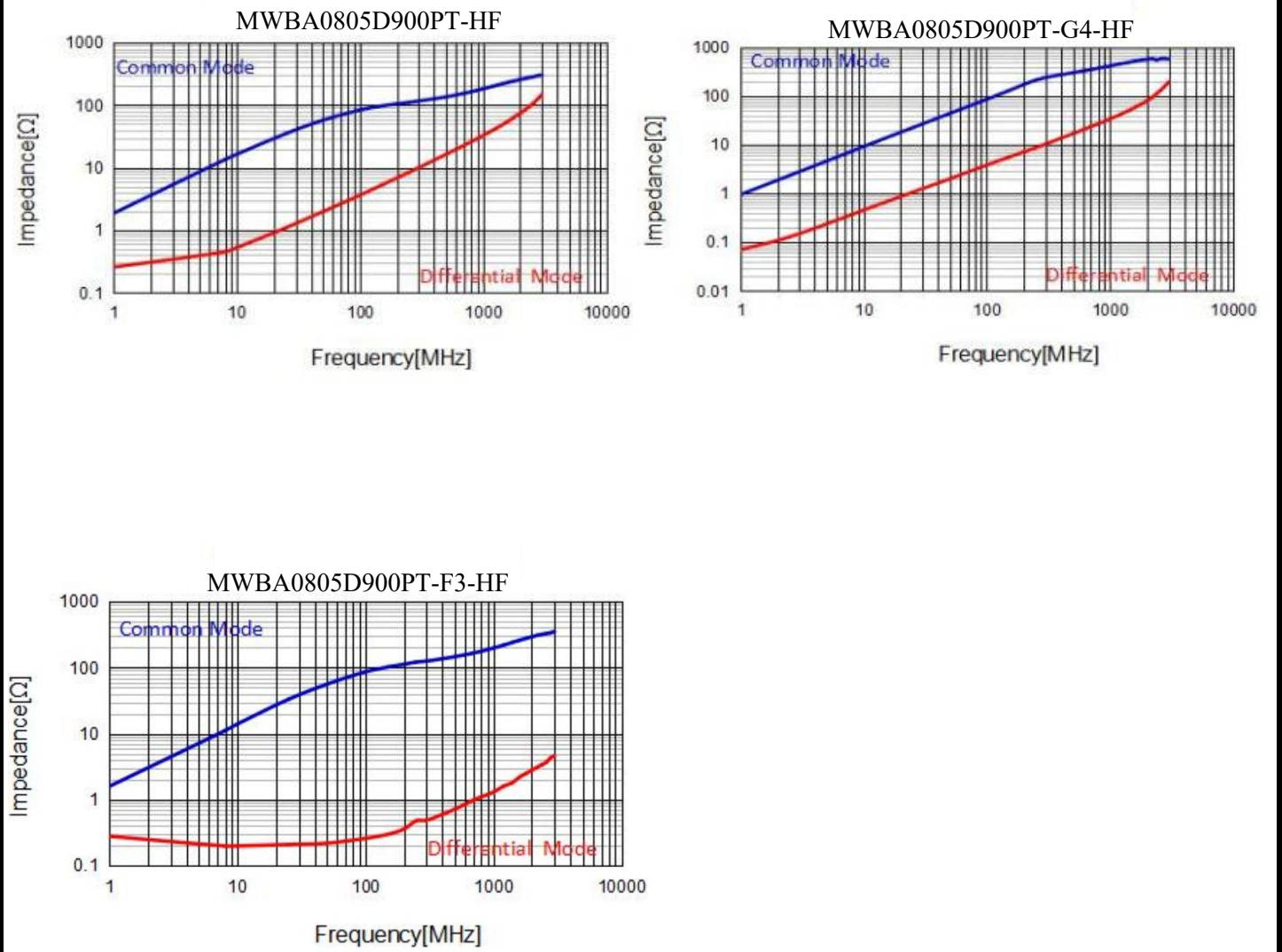
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9. ELECTRICAL CHARACTERISTIC CURVE



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