



承認書

SPECIFICATION FOR APPROVAL

CUSTOMER:

DESCRIPTION:

COMMON MODE CHOKE

PART NO:

MWBA5025D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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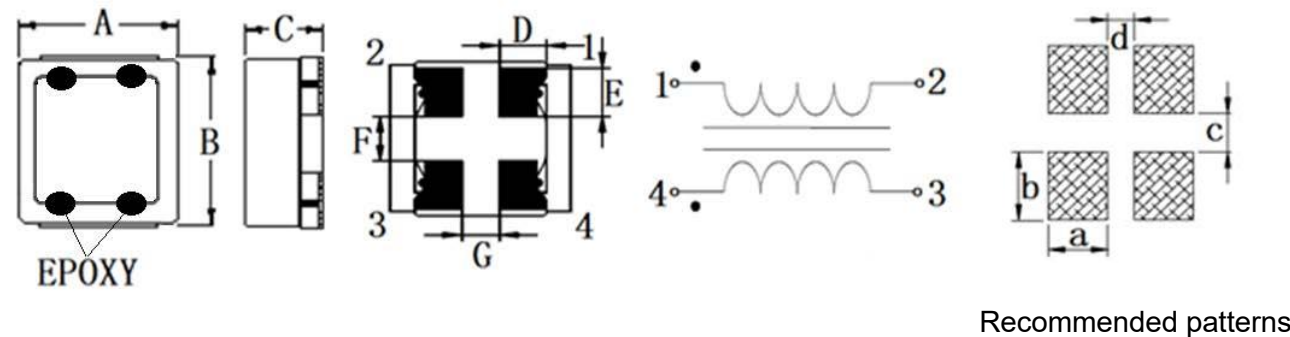


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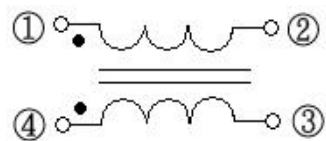
1. SHAPE & DIMENSION (UNIT:mm)

此系列产品不印字



A	B	C	D	E	F	G	a	b	c	d
4.8 ±0.3	5 ±0.3	2.7 Max.	1.25 Typ.	1.7 Typ.	1.6 Typ.	1.0 Typ.	1.8 Typ.	2.4 Typ.	1.2 Typ.	0.8 Typ.

2. SCHEMATIC



3. PART NUMBERING SYSTEM

MWBA	5025	D	101	T	-	HF
①	②	③	④	⑤	⑥	⑦

- 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) : Typ. (省略)
- ⑥ PACKAGING (包装方式) : T-编带盘装; B-散装
- ⑦ 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	Withstand Voltage
		Typ.	\	Max.	Max.	\	Min.	Max.
		(Ω)	(MHz)	m Ω	mA	Volts	M Ω	V
1	MWBA5025D101T-HF	100	100	12.6	6500	50	10	125
2	MWBA5025D251T-HF	250	100	19.6	5000	50	10	125
3	MWBA5025D501T-HF	500	100	22.6	4000	50	10	125
4	MWBA5025D102T-HF	1000	100	33.6	2000	50	10	125
5	MWBA5025D142T-HF	1400	100	56.0	1500	50	10	125

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 ~ +85°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 85 °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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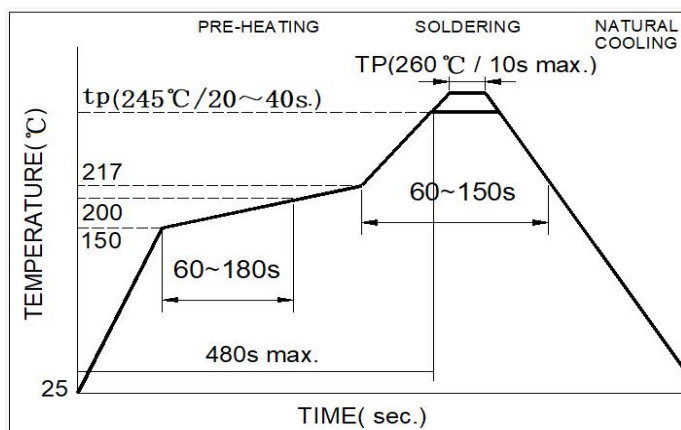


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6. SOLDERING CONDITIONS

Figure 1. Re-flow Soldering (Lead Free)



Note:

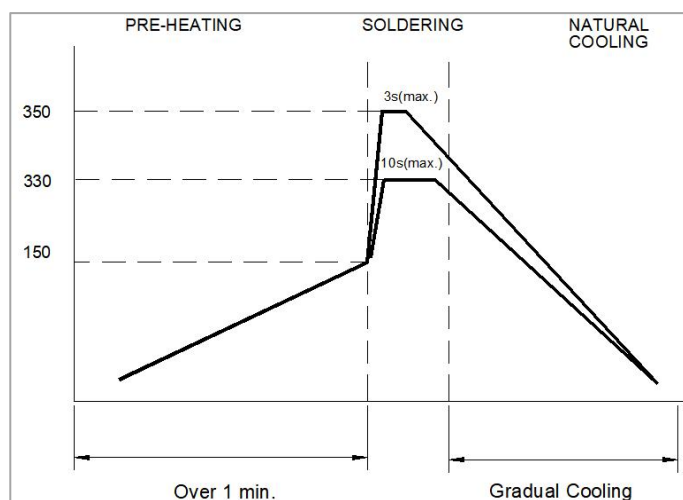
Preheat circuit and products to 150°C

260°C tip temperature (Max.)

Reflow times: no more than 2 times

Solder paste thickness: the best 0.08mm is ,but max is 0.12mm

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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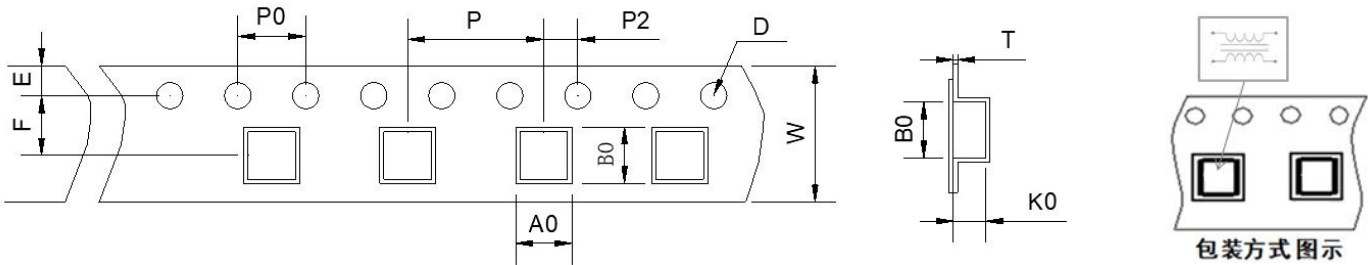


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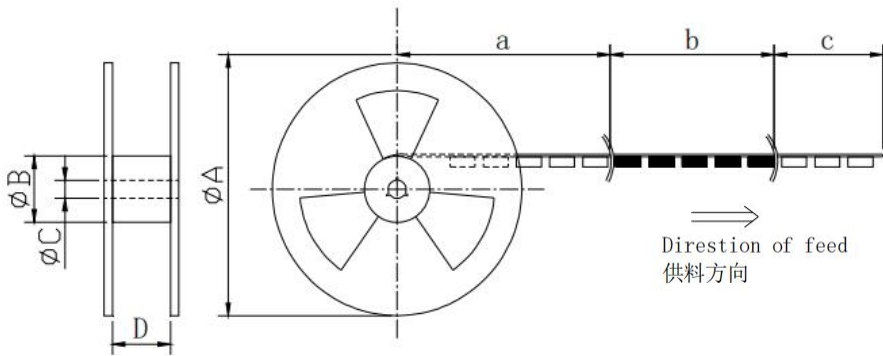
7. PACKAGE SPECIFICATION

(1). Tape Dimensions(Unit:mm)



W	A0	B0	K0	D	E	F	P	P0	P2	T
12.0 ±0.3	5.2 ±0.15	6.0 ±0.15	4.0 ±0.1	1.5 ±0.1	1.75 ±0.1	5.5 ±0.1	8.0 ±0.1	4.0 ±0.1	2.0 ±0.1	0.35 ±0.1

(2). Reel Dimensions (Unit:mm)



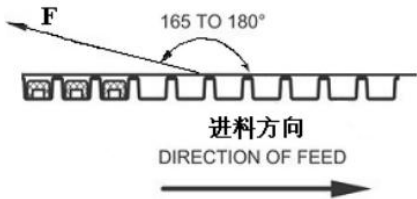
Item	Dimension
A	330
B	100
C	13
D	12.5
a	Blank portions
b	Chip cavity
c	Leader

(3). Packaging Quantity

Reel (pcs)
2500

(4). Packaging -Cover Tape

F force: 10~130g
Peeling speed: 300mm/min±10%
Peeling angle: 165°~180°



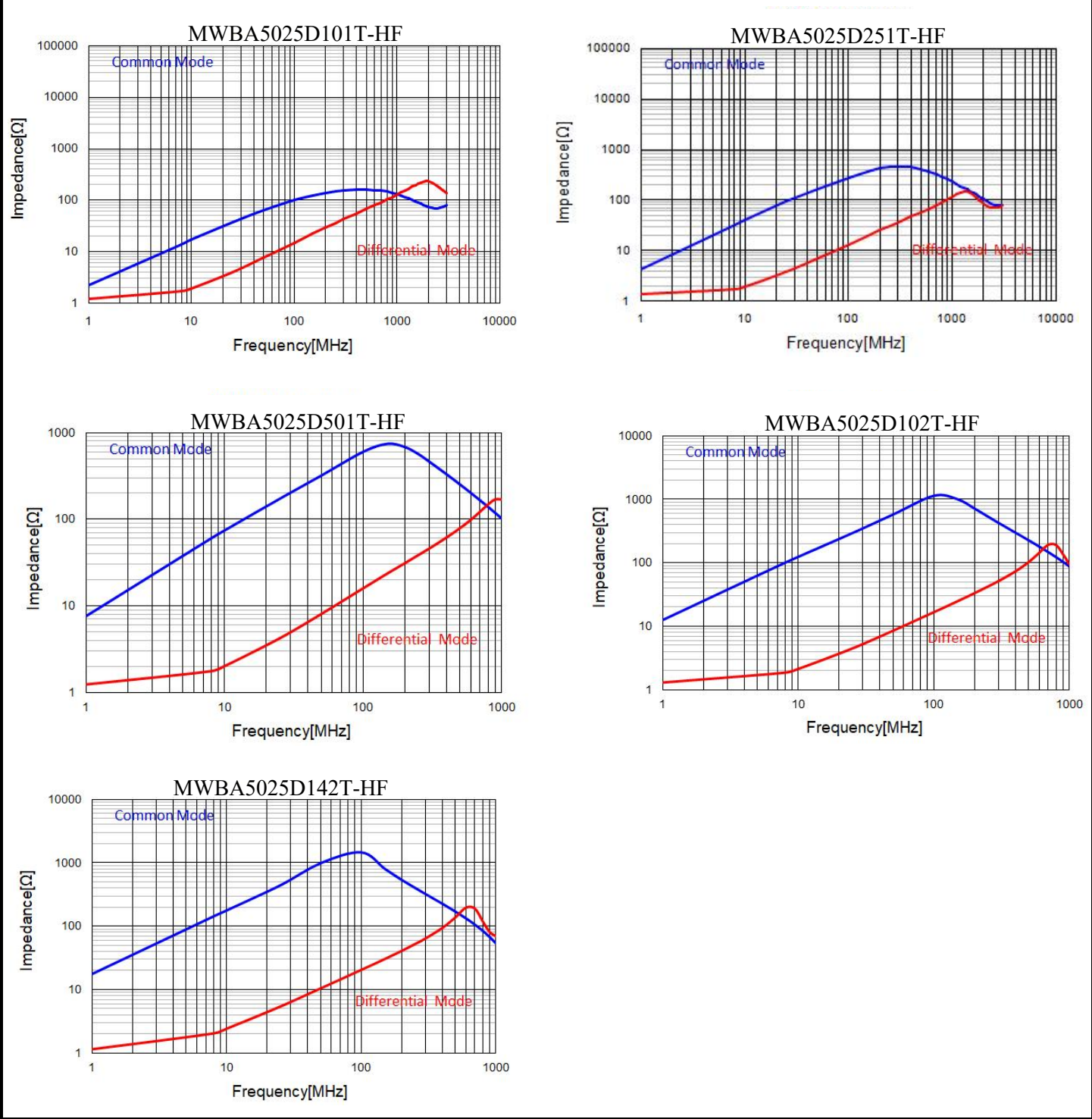
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9. ELECTRICAL CHARACTERISTIC CURVE



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