



承認書

SPECIFICATION FOR APPROVAL

CUSTOMER:

DESCRIPTION:

COMMON MODE CHOKE

PART NO:

MWBA1210D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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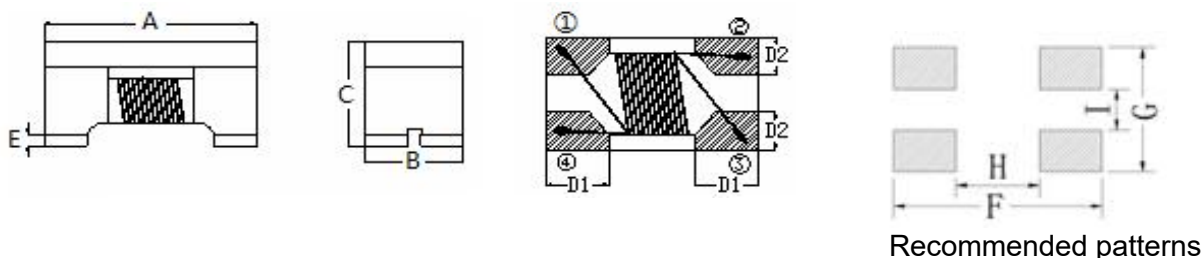
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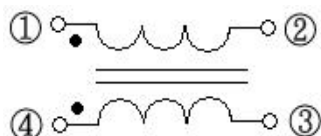
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1. SHAPE & DIMENSION (UNIT:mm)



A	B	C	E	D1	D2	F	G	I	H
3.2 ±0.2	2.5 ±0.2	2.15 ±0.1	0.2 Typ.	0.80 Typ.	0.90 Typ.	4.00 Typ.	2.80 Typ.	0.60 Typ.	1.60 Typ.

2. SCHEMATIC



3. PART NUMBERING SYSTEM

MWBA 1210 D 800 P 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) : P±25%; N±30%
- 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
		(Ω)	(MHz)	(Ω)Max.	(mA)Max.	Volts	(M Ω) Min.
1	MWBA1210D800PT-N-HF	80	100	0.12	640	50	10
2	MWBA1210D900PT-N-HF	90	100	0.12	1000	50	10
3	MWBA1210D161PT-N-HF	160	100	0.15	480	50	10
4	MWBA1210D271PT-N-HF	270	100	0.25	450	50	10
5	MWBA1210D501PT-N-HF	500	100	0.3	1000	50	10
6	MWBA1210D601PT-N-HF	600	100	0.2	1000	50	10
7	MWBA1210D801PT-N-HF	800	100	0.35	350	50	10
8	MWBA1210D102PT-N-HF	1000	100	0.35	480	50	10

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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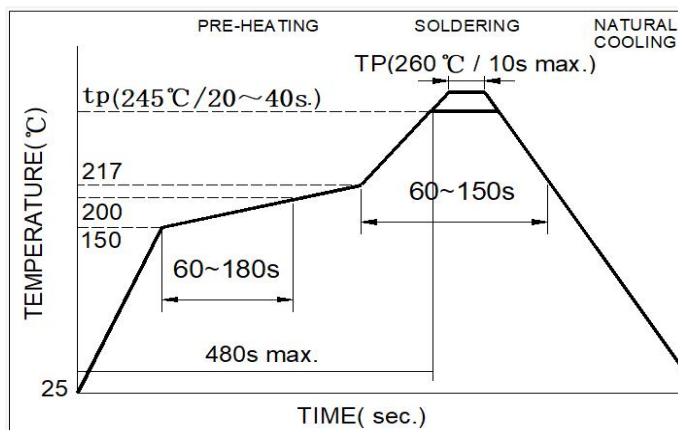


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6. SOLDERING CONDITIONS

Figure 1. Re-flow Soldering (Lead Free)



Note:

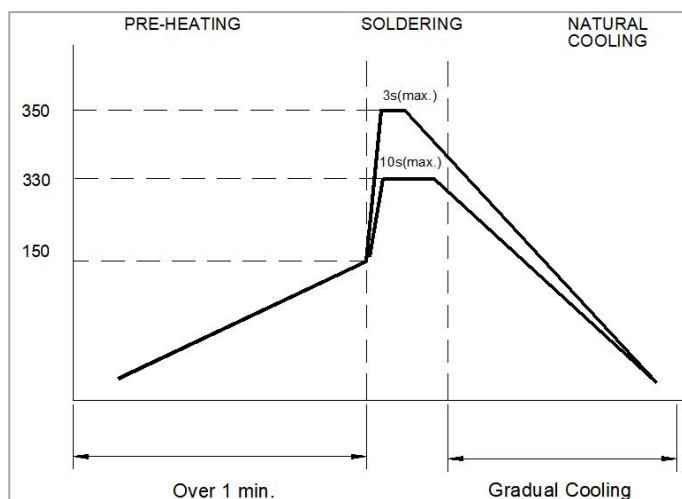
Preheat circuit and products to 150°C

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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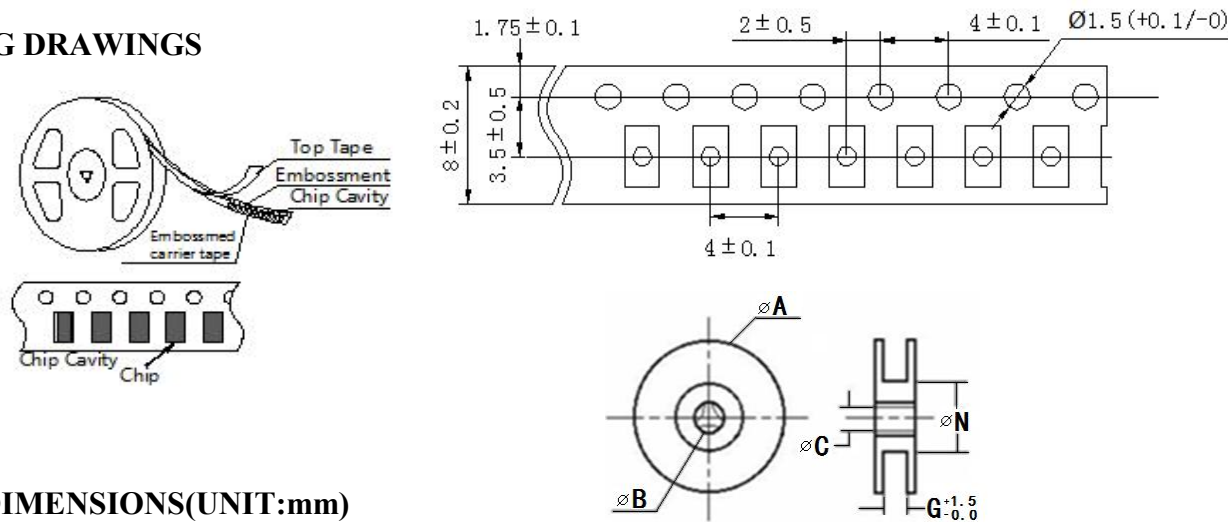


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7. PACKAGE SPECIFICATION

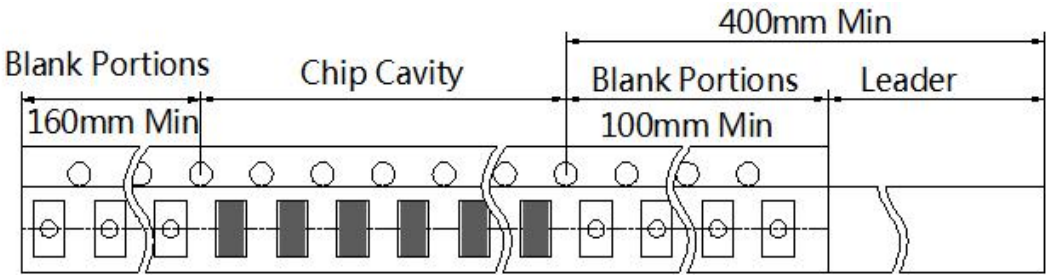
TAPING DRAWINGS



REEL DIMENSIONS(UNIT:mm)

	A	B	C	N	G
CF-12	178±2.0	22±2.0	13.0±1.0	60±1.0	12

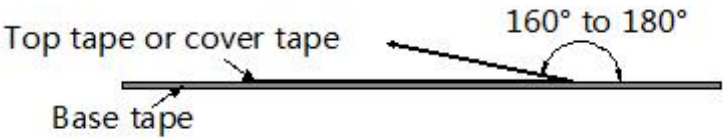
LEADER AND BLANK PORTION



(3). Packaging Quantity

Type	1210
Quantity	1000

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



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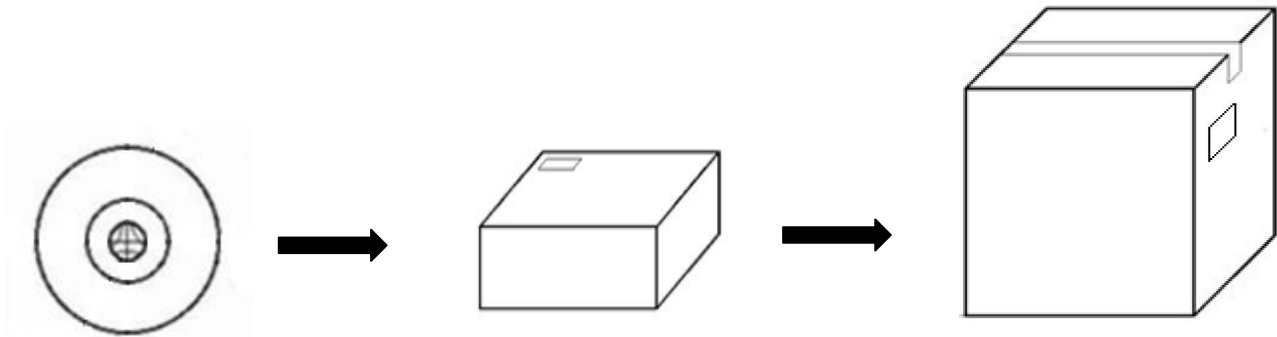


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8.Package Specifications

Inside Box And Outside Carton



卷轴数量	内盒包装数量	外箱包装数量
每卷:1000 PCS	每盒四盘，共3000 PCS	小箱6盒，共18000 PCS
		中箱8盒，共24000 PCS
		大箱10盒，共30000 PCS
	内盒包装尺寸	外箱包装尺寸
	20.3*19.3*5.5cm	小箱，40.6*23*19.7cm
		中箱，41*22*26cm
		大箱，41*22*33cm

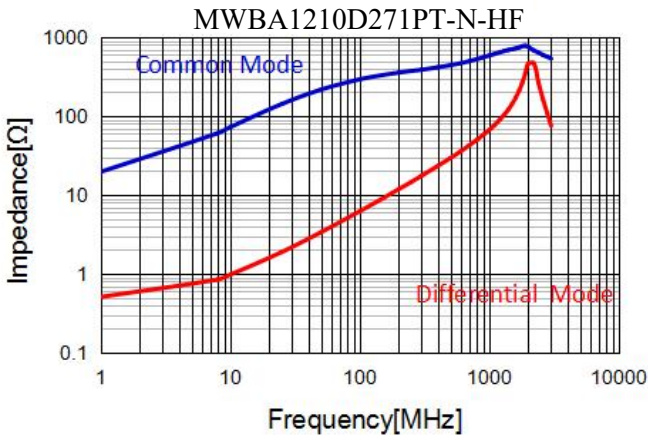
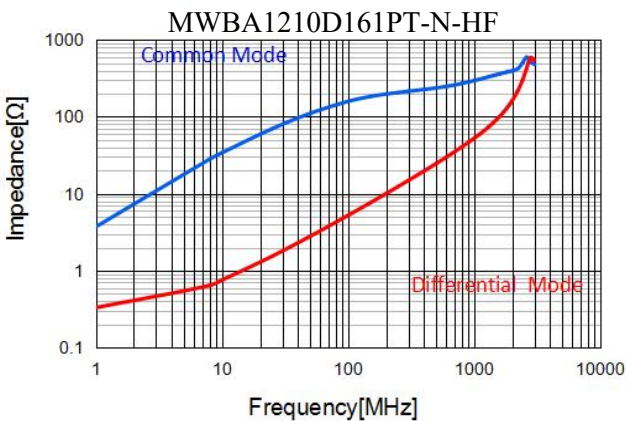
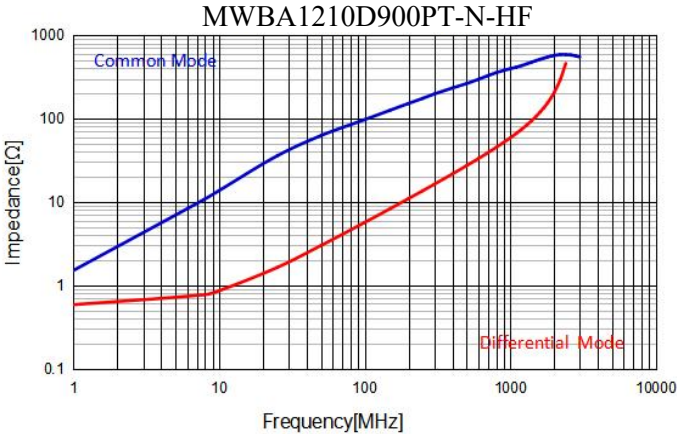
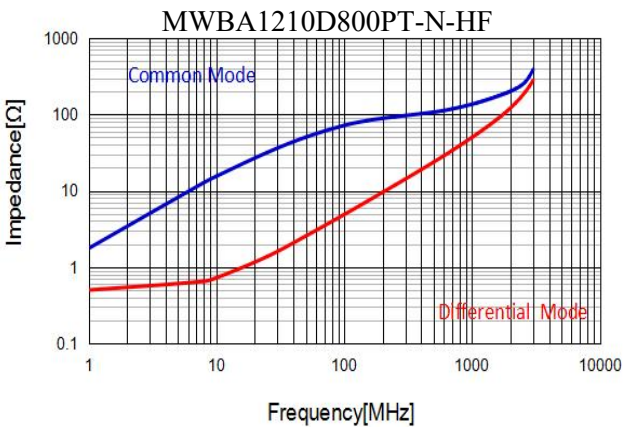
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9. ELECTRICAL CHARACTERISTIC CURVE



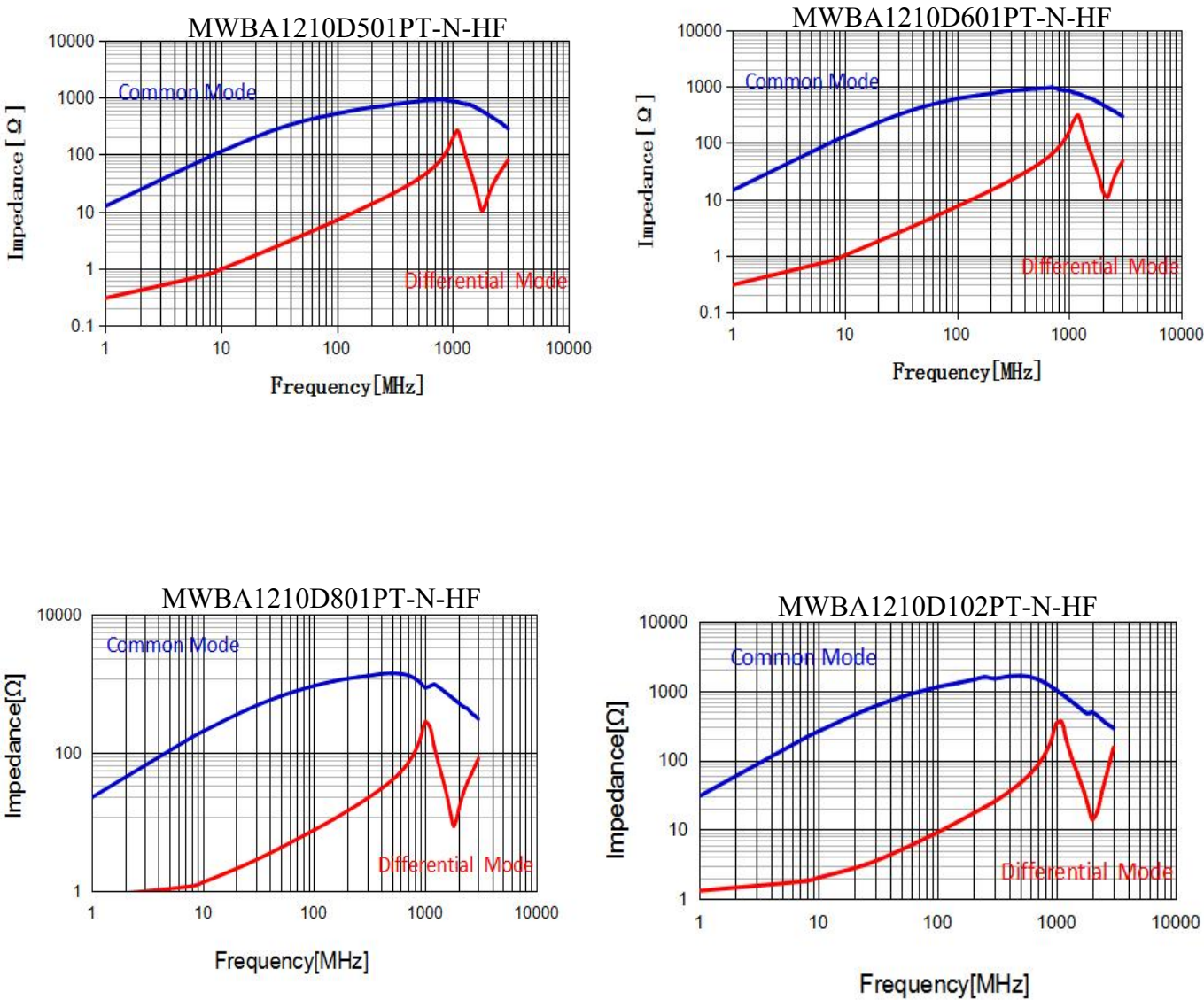
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9. ELECTRICAL CHARACTERISTIC CURVE



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