



承認書

SPECIFICATION FOR APPROVAL

CUSTOMER:

DESCRIPTION:

COMMON MODE CHOKE

PART NO:

MWBA1812D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

 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

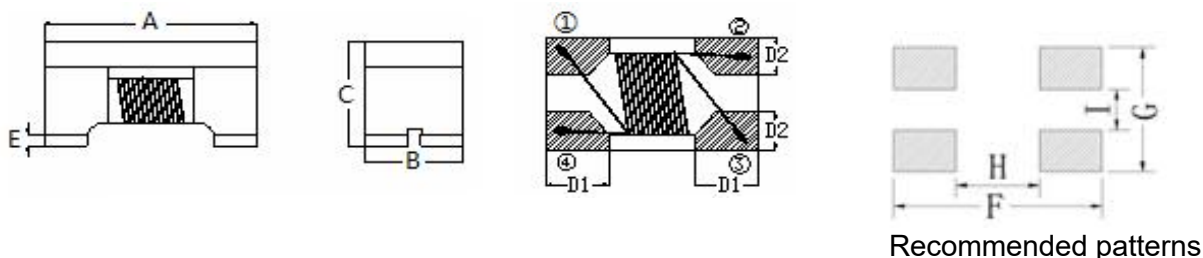
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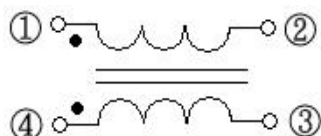
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1. SHAPE & DIMENSION (UNIT:mm)



A	B	C	E	D1	D2	F	G	I	H
4.5 ±0.2	3.2 ±0.2	2.8 ±0.1	0.2 Typ.	1.00 Typ.	1.20 Typ.	4.80 Typ.	3.80 Typ.	0.70 Typ.	2.40 Typ.

2. SCHEMATIC



3. PART NUMBERING SYSTEM

MWBA 1812 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	MWBA1812D800PT-N-HF	80	100	0.050	2300	50	10
2	MWBA1812D900PT-N-HF	90	100	0.085	2000	50	10
3	MWBA1812D900PT-N12E-HF	90	100	0.050	2300	50	10
4	MWBA1812D121PT-N-HF	120	100	0.100	1400	50	10
5	MWBA1812D201PT-N-HF	200	100	0.100	1500	50	10
6	MWBA1812D221PT-N-HF	220	100	0.100	1300	50	10
7	MWBA1812D331PT-N-HF	330	100	0.110	1100	50	10
8	MWBA1812D601PT-N-HF	600	100	0.120	1400	50	10
9	MWBA1812D701PT-N-HF	700	100	0.120	1500	50	10
10	MWBA1812D801PT-N-HF	800	100	0.160	1000	50	10
11	MWBA1812D901PT-N-HF	900	100	0.170	1000	50	10
12	MWBA1812D102PT-N-HF	1000	100	0.180	1000	50	10
13	MWBA1812D142PT-N-HF	1400	100	0.200	700	50	10
14	MWBA1812D282PT-N-HF	2800	100	0.350	900	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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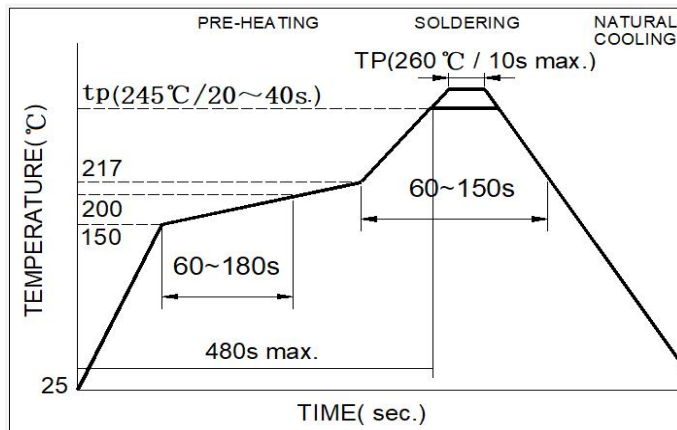


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6. SOLDERING CONDITIONS

Figure 1. Re-flow Soldering (Lead Free)



Note:

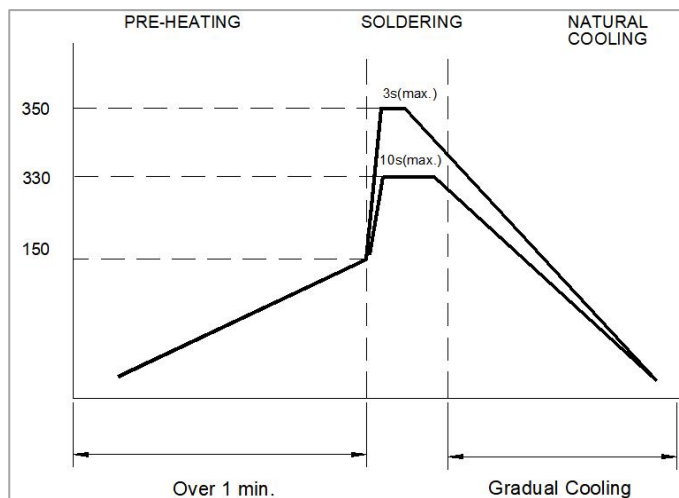
Preheat circuit and products to 150°C

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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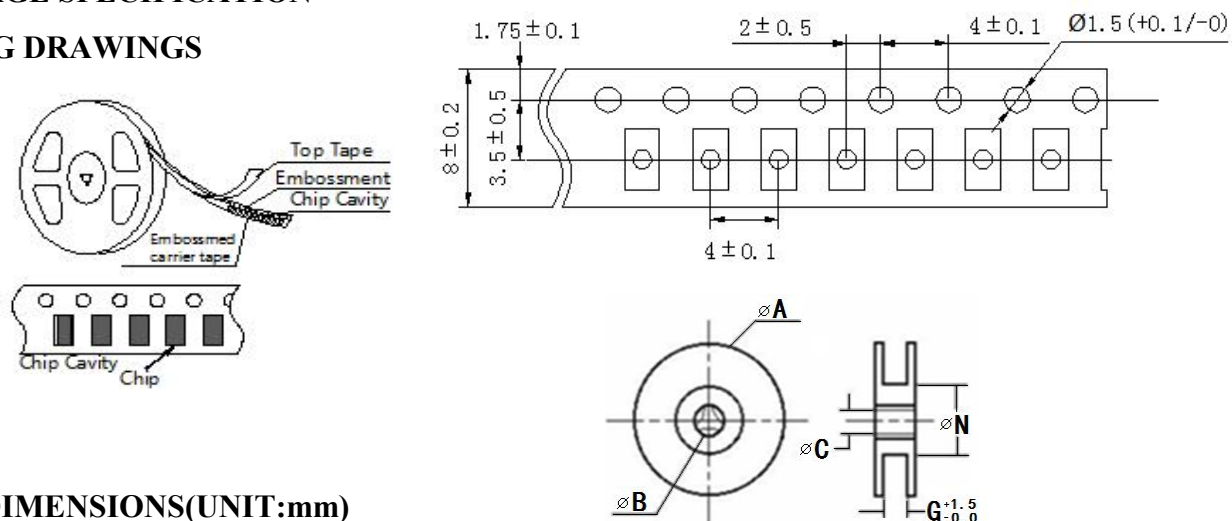


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7. PACKAGE SPECIFICATION

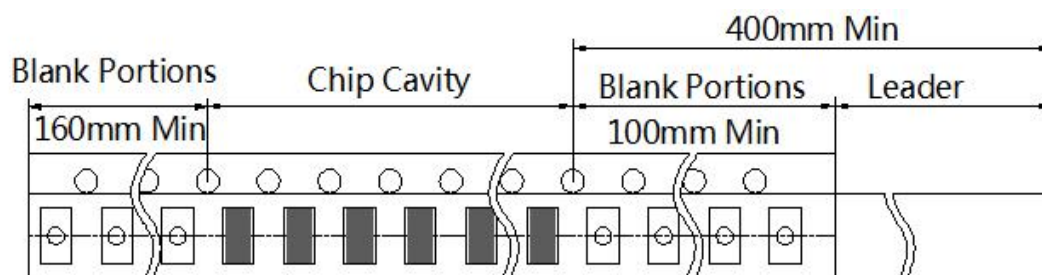
TAPING DRAWINGS



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

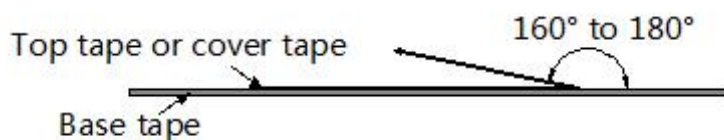
LEADER AND BLANK PORTION



(3). Packaging Quantity

Type	1812
Quantity	500

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



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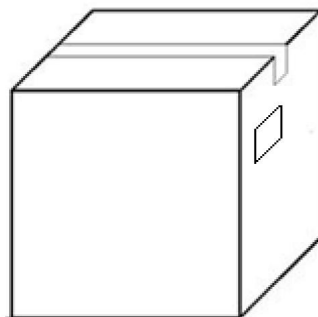
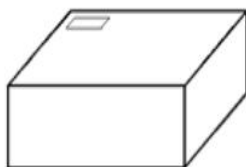
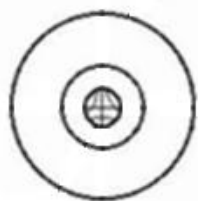


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8.Package Specifications

Inside Box And Outside Carton



卷轴数量
每卷:500 PCS



内盒包装数量
每盒四盘, 共1500 PCS



外箱包装数量
小箱6盒, 共9000 PCS
中箱8盒, 共12000 PCS
大箱10盒, 共15000 PCS

内盒包装尺寸
20.3*19.3*5.5cm



外箱包装尺寸
小箱, 40.6*23*19.7cm
中箱, 41*22*26cm
大箱, 41*22*33cm

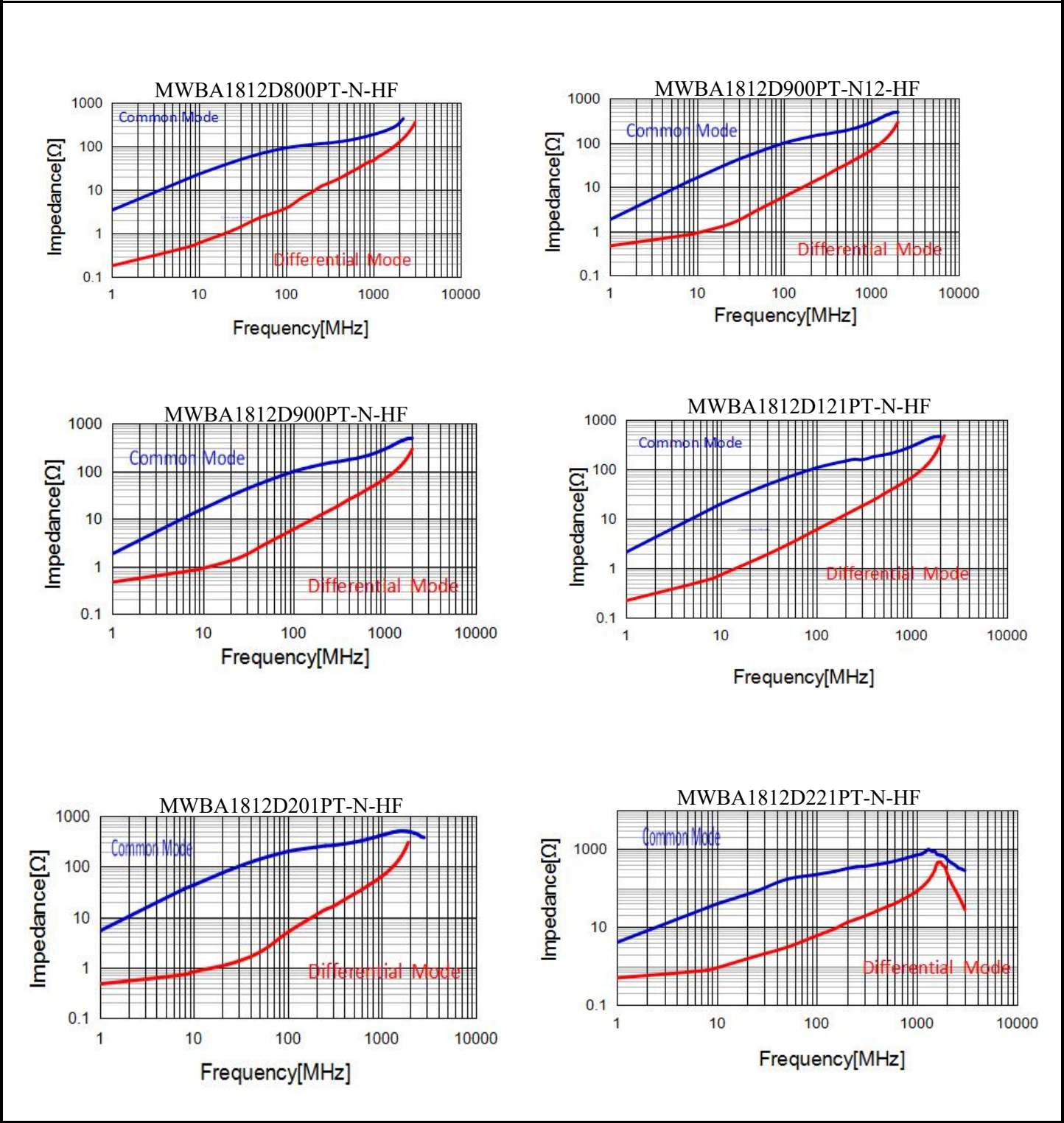
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9. ELECTRICAL CHARACTERISTIC CURVE



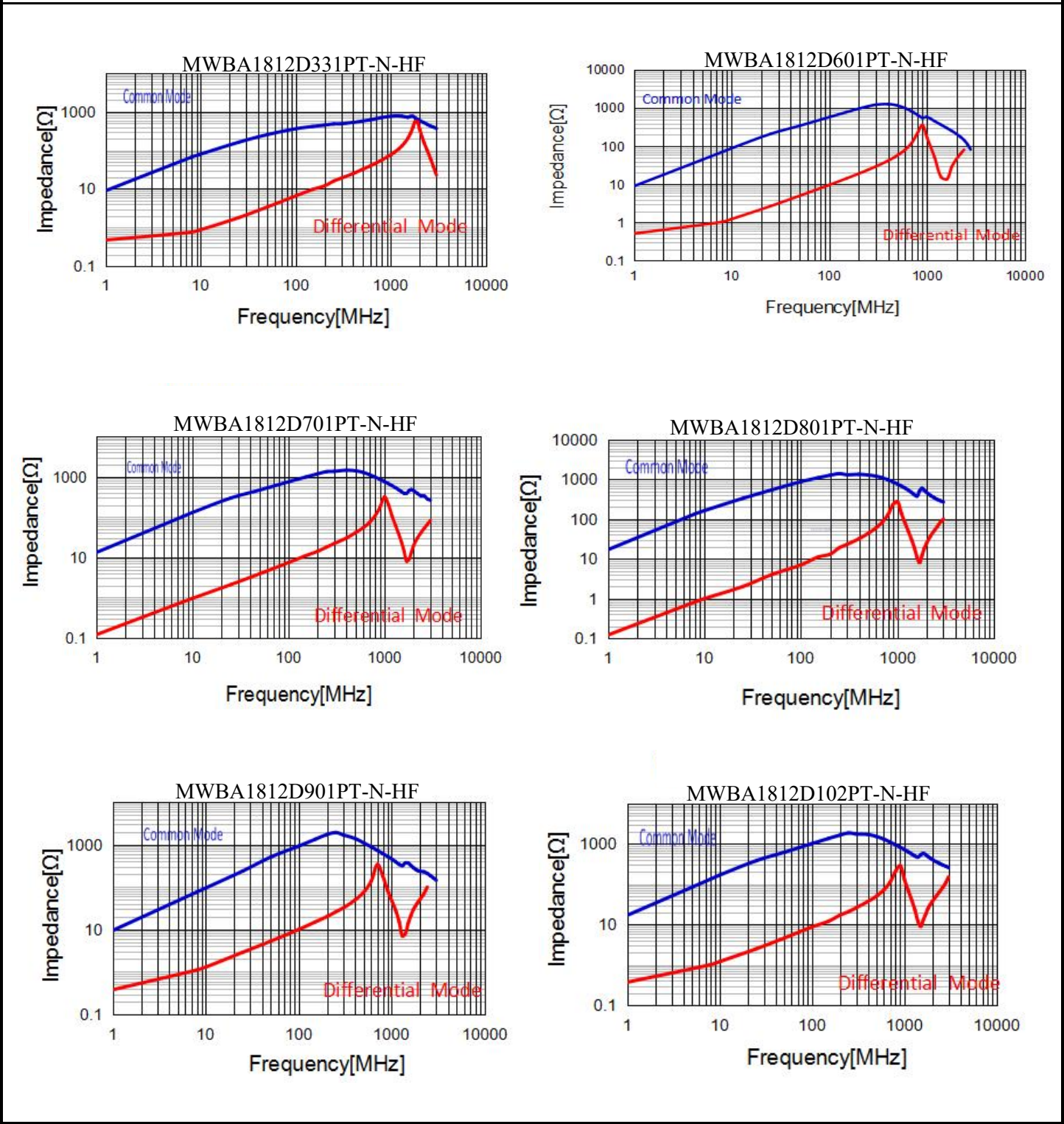
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9. ELECTRICAL CHARACTERISTIC CURVE



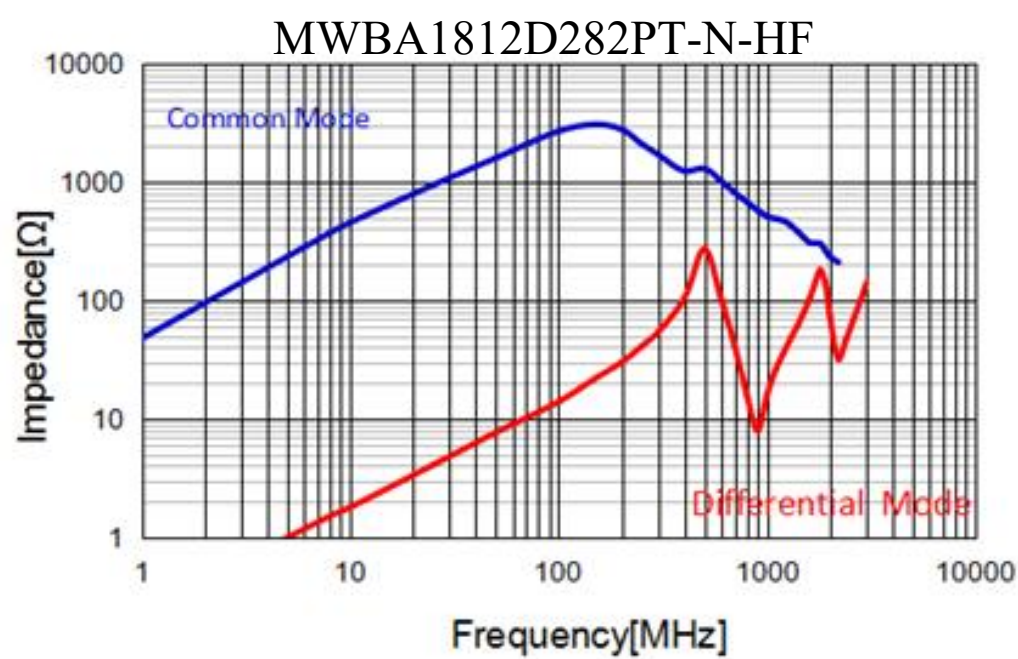
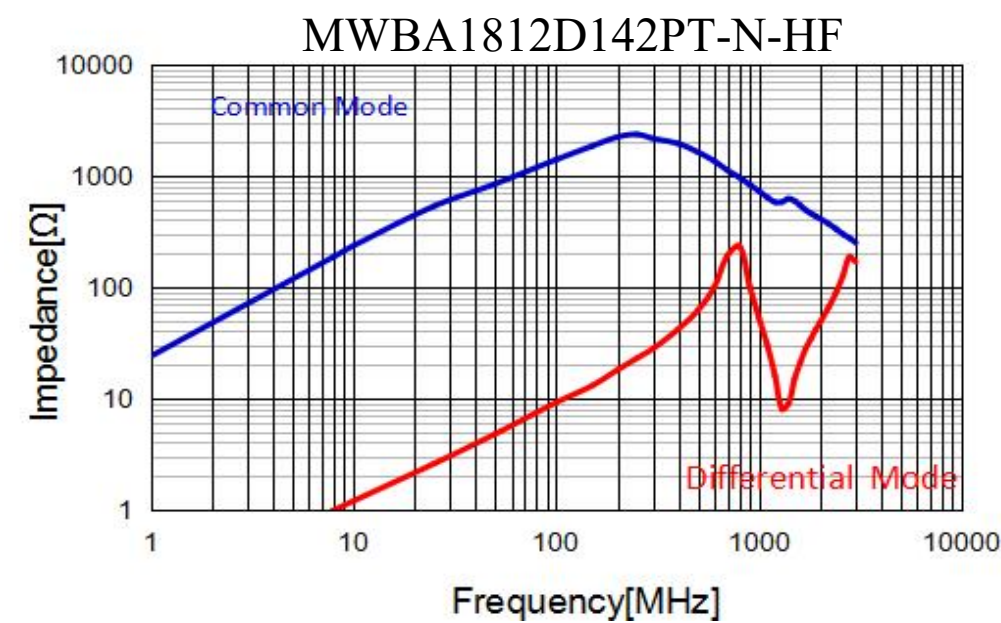
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9. ELECTRICAL CHARACTERISTIC CURVE



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