



承認書

SPECIFICATION FOR APPROVAL

CUSTOMER:

DESCRIPTION:

COMMON MODE CHOKE

PART NO:

MWBA0603D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

DongGuan Ming Yixuan Electronic Technology Co., LTD.

地址: 广东省东莞市大朗镇景泰路20号VV大厦

工厂地址: 广东省惠州市博罗县洲际工业园梅园三路

电话: 13640935893 , 15970768093

网址: <http://www.dgmingyixuan.com>

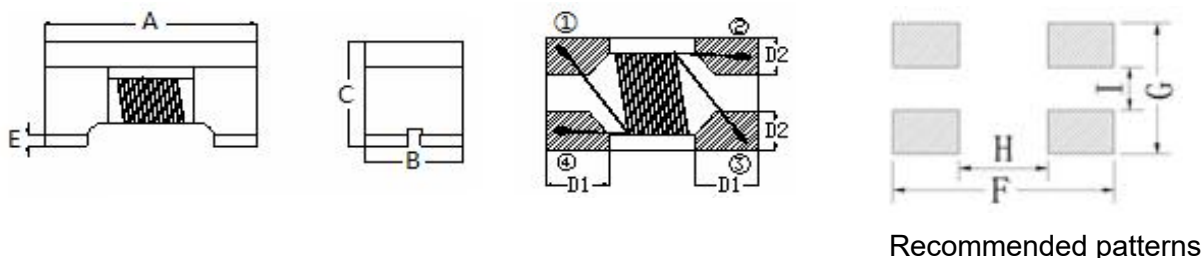
[illegible]



SPECIFICATION FOR APPROVAL

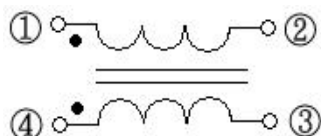
CUSTOMER:		REV. NO.	A0
PART NO:	MWBA0603D系列	PAGE NO:	2/8
CUST. PART NO:		DATE:	2025/5/5

1. SHAPE & DIMENSION (UNIT:mm)



A	B	C	E	D1	D2	F	G	H	I
1.6 ±0.1	0.8 ±0.1	1.1 ±0.1	0.1 Max.	0.33 Typ.	0.25 Typ.	1.89 Typ.	0.85 Typ.	0.73 Typ.	0.25 Typ.

2. SCHEMATIC



3. PART NUMBERING SYSTEM

MWBA 0603 D 220 P T - F - 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

APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平



SPECIFICATION FOR APPROVAL

CUSTOMER:		REV. NO.	A0
PART NO:	MWBA0603D系列	PAGE NO:	3/8
CUST. PART NO:		DATE:	2025/5/5

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	MWBA0603D220PT-F-HF	22	100	0.11	500	20	10
2	MWBA0603D250PT-F-H	25	100	0.10	500	20	10
3	MWBA0603D600PT-F-HF	60	100	0.20	350	20	10
4	MWBA0603D900PT-F-HF	90	100	0.25	300	20	10
5	MWBA0603D121PT-F-HF	120	100	0.25	300	20	10
6	MWBA0603D141PT-F-HF	140	100	0.25	300	20	10
7	MWBA0603D201PT-F-HF	200	100	0.25	300	20	10
8	MWBA0603D221PT-F-HF	220	100	0.25	300	20	10
9	MWBA0603D251PT-F-HF	250	100	0.28	280	20	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:

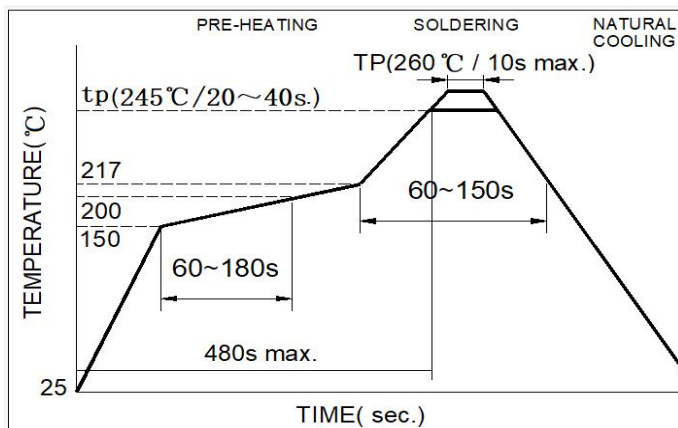
此物料不涉及汽车或相关产品方面的应用，否则，由此引起的一切品质和责任问题，我司将概不承担。

APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平

CUSTOMER:		REV. NO.	A0
PART NO:	MWBA0603D系列	PAGE NO:	4/8
CUST. PART NO:		DATE:	2025/5/5

6. SOLDERING CONDITIONS

Figure 1. Re-flow Soldering (Lead Free)



Note:

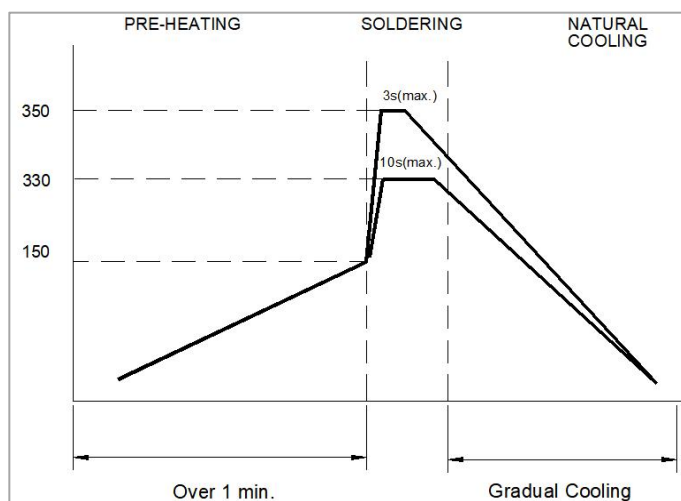
Preheat circuit and products to 150°C

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.

APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平

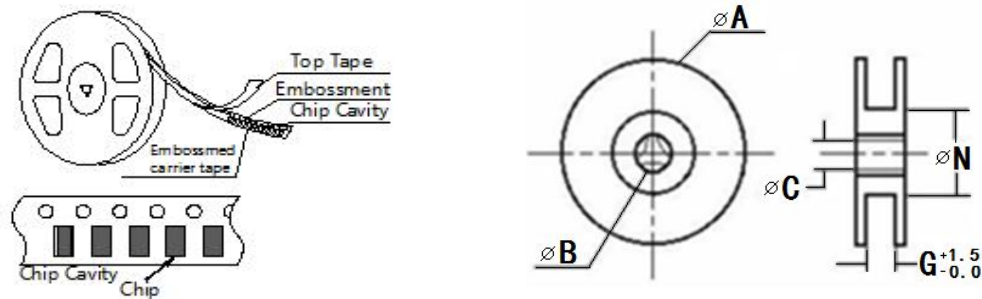


SPECIFICATION FOR APPROVAL

CUSTOMER:		REV NO:	A0
PART NO:	MWBA0603D系列	PAGE NO:	5/8
CUST. PART NO:		DATE:	2025/5/5

7. PACKAGE SPECIFICATION

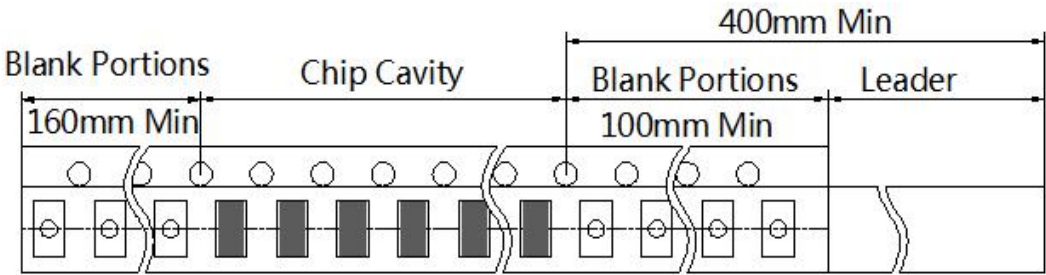
TAPING DRAWINGS



REEL DIMENSIONS(UNIT:mm)

	A	B	C	N	G
CF-8	178±2.0	22±2.0	13.0±1.0	60±1.0	8

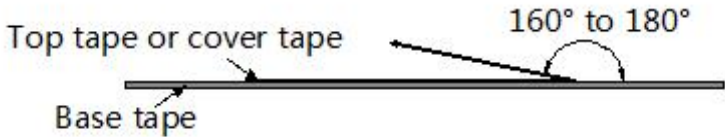
LEADER AND BLANK PORTION



(3). Packaging Quantity

Type	0603
Quantity	3000

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



APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平

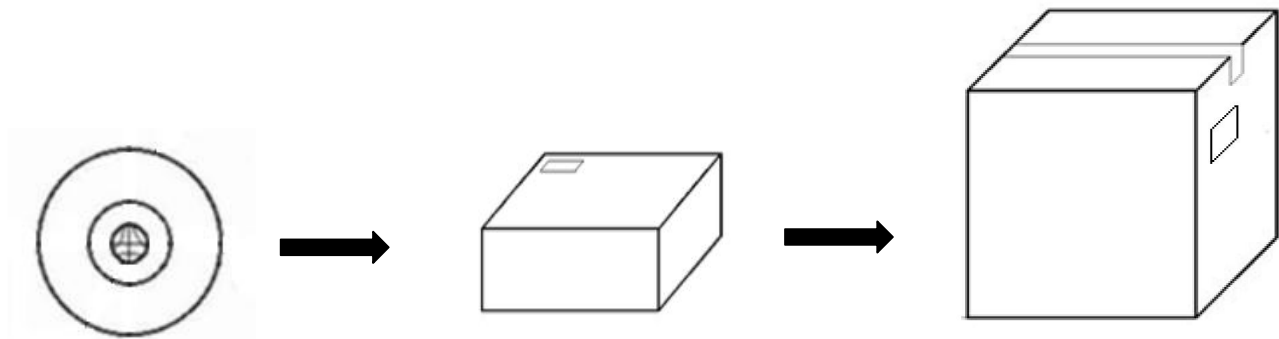


SPECIFICATION FOR APPROVAL

CUSTOMER:		REV NO:	A0
PART NO:	MWBA0603D系列	PAGE NO:	6/8
CUST. PART NO:		DATE:	2025/5/5

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:3000 PCS	每盒四盘，共12000 PCS	小箱6盒，共72000 PCS
		中箱8盒，共96000 PCS
		大箱10盒，共120000 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

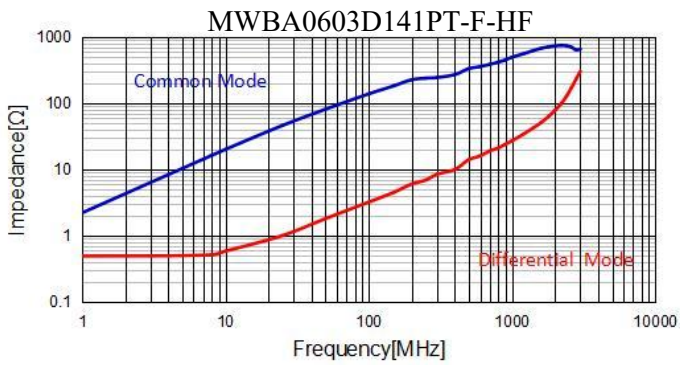
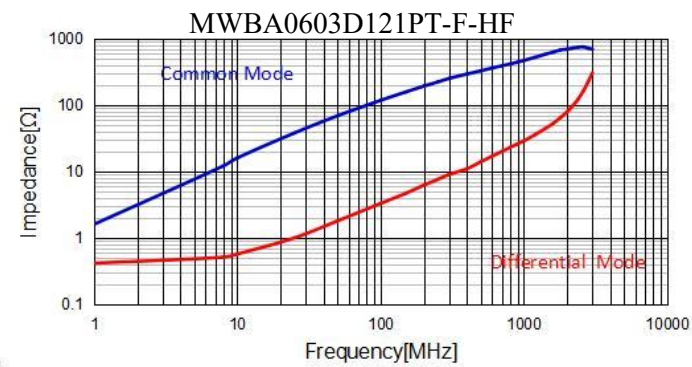
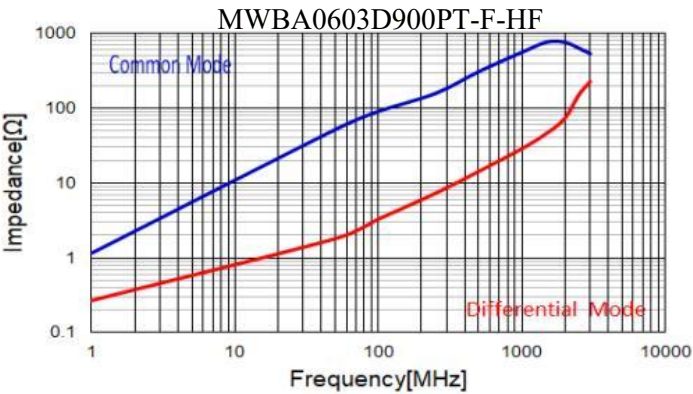
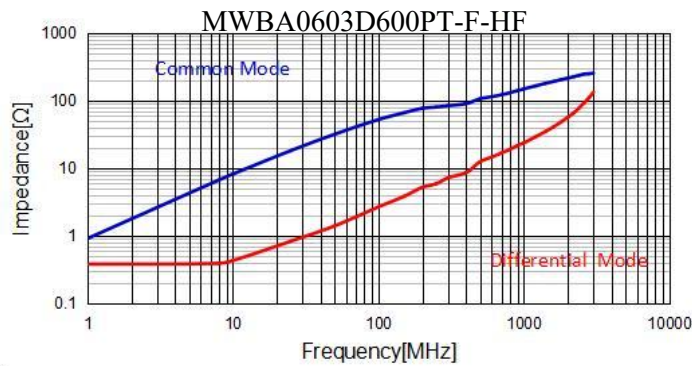
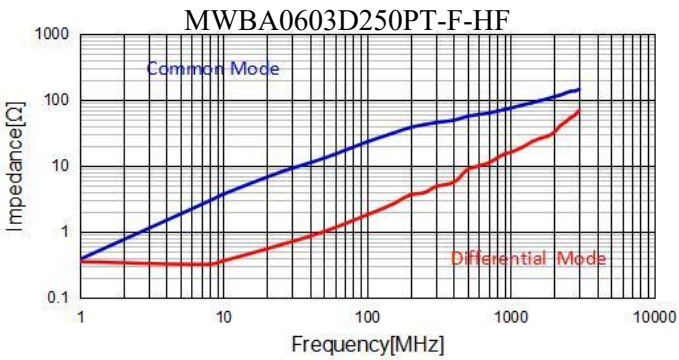
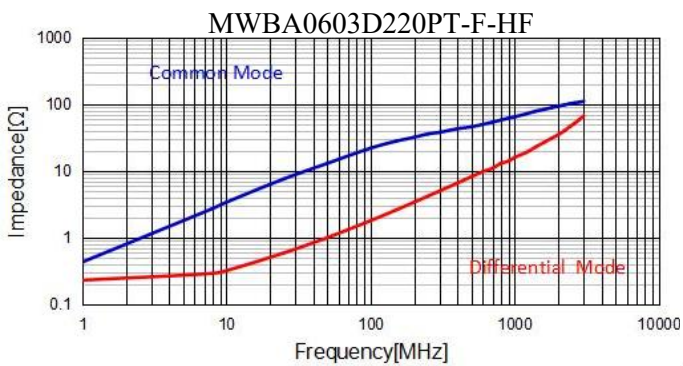
APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平



SPECIFICATION FOR APPROVAL

CUSTOMER:		REV NO:	A0
PART NO:	MWBA0603D系列	PAGE NO:	7/8
CUST. PART NO:		DATE:	2025/5/5

9. ELECTRICAL CHARACTERISTIC CURVE



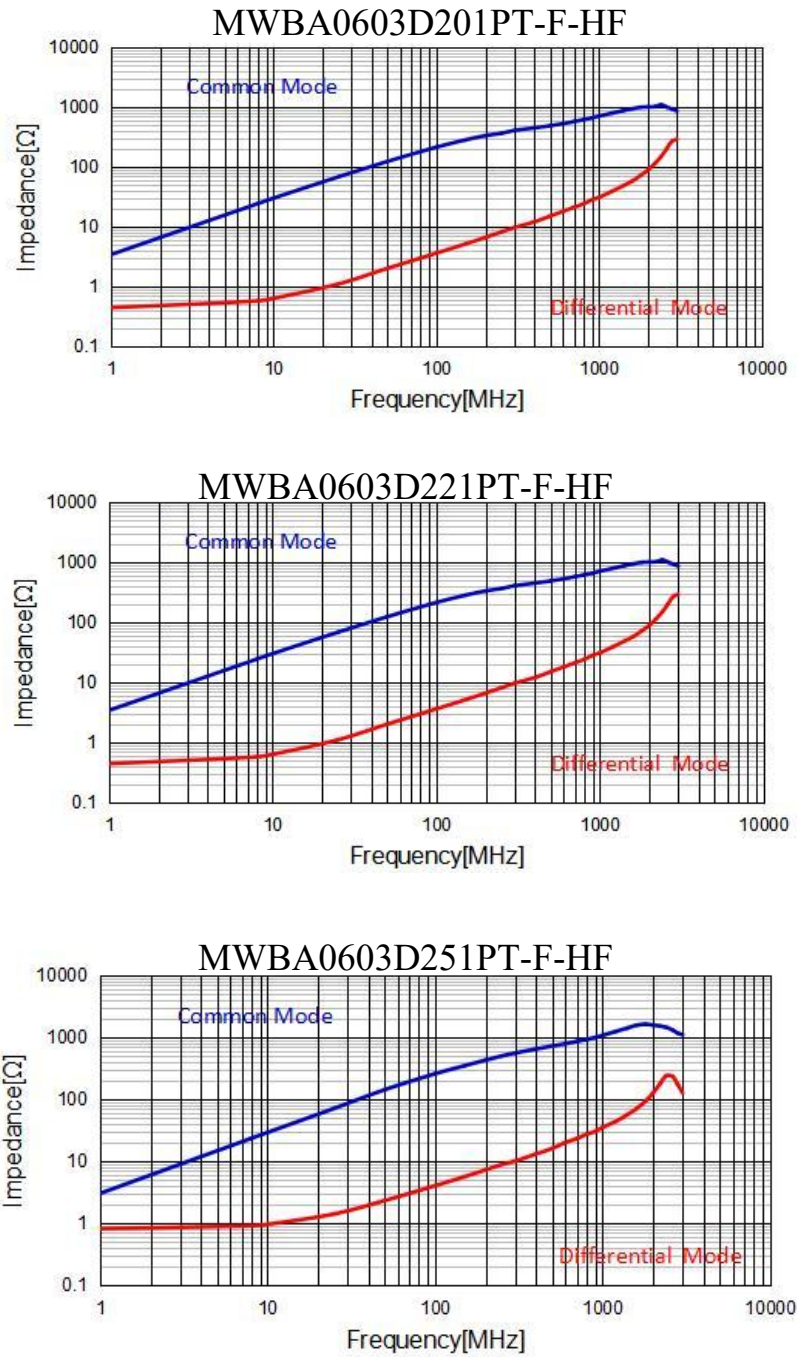
APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平



SPECIFICATION FOR APPROVAL

CUSTOMER:		REV NO:	A0
PART NO:	MWBA0603D系列	PAGE NO:	8/8
CUST. PART NO:		DATE:	2025/5/5

9. ELECTRICAL CHARACTERISTIC CURVE



APPROVED	CHECKED	PREPARED
曾凡强	卢嘉良	邹声平