



东莞市振宝佳电子有限公司

Dongguan Zhenbaojia Electronics Co., Ltd

承认书

APPROVAL SHEET

客 户

(Client)

品 名

(Description)

共模电感

型 号

(YZX P/N)

ZBJGM4520F

版 本

(Rev. NO)

A/0

承认书编号

(Admission number)

ZBJA20241010-339

发行日期

(RELEASE DATA)

2024/10/24

确认签核 (supplierApproved)

APPROVEDBY	CHECKEDBY	PREPAREDBY
ChenJinLai	HongRui	XieBin

客户承认栏 (请签名盖章并签署日期后回传)

Customer ' s Approval Chop 客户承认盖章	Approved By 承认人	Approved Date 承认日期

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变更履历 Change resume

序号	变更内容说明	版 本	修改人	日 期	备 注
1	新制定	A/0		2024年10月24日	
2					
3					
4					
5					
6					
7					
8					
9					
10					

	Part NO	DESCRIPTION	DATE	Pagination
	ZBJGM4520F	共模电感	2024/10/24	1/13

Common Mode Line Filte ZBJGM Series

Product Identification:

ZBJGM 4520 F - 900



(1) (2) (3) (4)

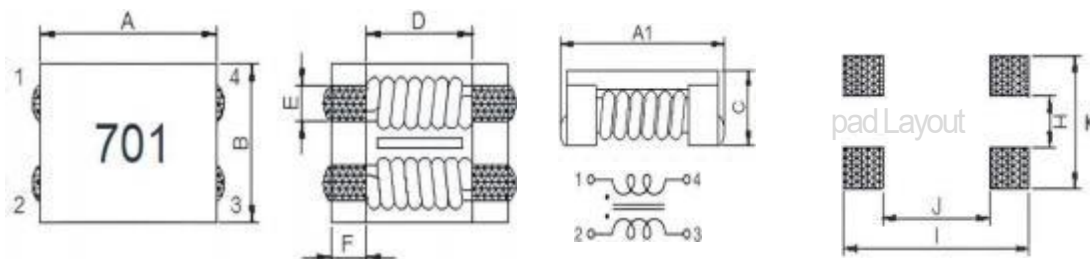
(1) Series

(2) Dimensions(L*H*W)

(3) Type

(4) Impedance(900=90Ω, 901=900Ω, 902=9000Ω)

DIMENSIONS DRAWING:



TYPE	Shape and Dimensions							Recommended Pattern			
	A(mm)	A1(MM)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	K(mm)	H(mm)	I(mm)	J(mm)
ZBJGM4520F	4.7±0.5	5.2±0.5	4.5±0.5	2.2Max	2.7Typ	0.8Typ	1.0Typ	3.0Typ	1.0Typ	6.0Typ	2.0Typ
ZBJGM7060F	7.0±0.5	7.5±0.5	6.0±0.5	3.8Max	3.5Typ	1.5Typ	1.7Typ	5.0Typ	1.5Typ	8.0Typ	3.0Typ
ZBJGM9070F	9.0±0.5	9.5±0.5	7.0±0.5	4.8Max	5.6Typ	1.5Typ	1.7Typ	5.5Typ	1.5Typ	10.5Typ	5.0Typ
ZBJGM1211F	12.0±0.5	12.5±0.5	10.8±0.5	6.4Max	7.0Typ	2.7Typ	2.5Typ	8.5Typ	2.0Typ	12.5Typ	6.5Typ
ZBJGM1513F	15.0±0.5	15.6±0.5	13.0±0.5	6.6Max	9.4Typ	2.6Typ	2.5Typ	9.5Typ	3.3Typ	16.0Typ	8.8Typ

Common Mode Line Filte ZBJGM4520F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Impedance (Ω@100MHz)		DCR (mΩ) Max.	Rated Current (A) Max	Rated Volt. (Vdc)Max	IR(MΩ) Min.	MARK
	Min	Typ					
ZBJGM4520F-900	60	90	35	3.2	50	10	900
ZBJGM4520F-151	90	150	40	3.1	50	10	151
ZBJGM4520F-231	180	230	45	3.0	50	10	231
ZBJGM4520F-301	200	300	45	3.0	50	10	301
ZBJGM4520F-401	300	420	50	2.5	50	10	401
ZBJGM4520F-501	350	500	55	2.4	50	10	501
ZBJGM4520F-701	500	700	58	2.2	50	10	701
ZBJGM4520F-901	650	900	60	2.1	50	10	901
ZBJGM4520F-102	800	1000	60	2.1	50	10	102
ZBJGM4520F-122	1000	1200	70	2.0	50	10	122
ZBJGM4520F-142	1200	1400	81	1.9	50	10	142
ZBJGM4520F-202	1800	2000	80	1.5	50	10	202
ZBJGM4520F-302	2500	3000	80	1.0	50	10	302

(1) .Rated Current: Temp. rise 40 °c TYP

(2) .Operating Temperature: -40 °c up to +125°C

Common Mode Line Filte ZBJGM7060F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Impedance (Ω @100MHz)		DCR (m Ω) Max.	Rated Current (A) Max	Rated Volt. (Vdc)Max	IR (M Ω) Min.	MARK
	Min	Typ					
ZBJGM7060F-400	40	70	5	15.0	125	10	400
ZBJGM7060F-101	100	140	8	9.0	125	10	101
ZBJGM7060F-201	200	250	9	7.0	125	10	201
ZBJGM7060F-301	225	300	10	6.0	125	10	301
ZBJGM7060F-501	300	500	10	5.0	125	10	501
ZBJGM7060F-601	400	600	10	5.0	125	10	601
ZBJGM7060F-701	500	700	15	4.0	125	10	701
ZBJGM7060F-801	500	800	15	4.0	125	10	801
ZBJGM7060F-102	800	1 020	17	3.0	125	10	102
ZBJGM7060F-132	910	1300	21	2.5	125	10	132
ZBJGM7060F-202	1500	2000	50	1.5	125	10	202
ZBJGM7060F-272	2000	2700	63	1.0	125	10	272
ZBJGM7060F-302	2500	3000	75	0.9	125	10	302
ZBJGM7060F-402	3300	4000	100	0.8	125	10	402

Common Mode Line Filte ZBJGM9070F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Impedance (Ω @100MHz)		DCR (m Ω) Max.	Rated Current (A) Max	Rated Volt. (Vdc)Max	IR (M Ω) Min.	MARK
	Min	Typ					
ZBJGM9070F-301	225	300	6	6	80	10	301
ZBJGM9070F-501	375	500	8	5.5	80	10	501
ZBJGM9070F-701	500	700	10	5.0	80	10	701
ZBJGM9070F-102	750	1000	13	4.5	80	10	102
ZBJGM9070F-132	1000	1300	20	4.0	80	10	132
ZBJGM9070F-152	1200	1500	20	4.0	80	10	152
ZBJGM9070F-202	1500	2000	30	3.5	80	10	202
ZBJGM9070F-222	1700	2200	50	3.0	80	10	222
ZBJGM9070F-272	2000	2700	60	2.8	80	10	272
ZBJGM9070F-302	2500	3000	70	2.7	80	10	302
ZBJGM9070F-402	3500	4000	80	2.5	80	10	402

(1) .Rated Current: Temp. rise 40 °c TYP

(2) .Operating Temperature: -40 °c up to + 125°C

Common Mode Line Filte ZBJGM1211Series

ELECTRICAL CHARACTERISTIC:

Part Number	Impedance (Ω @100MHz)		DCR (m Ω) Max.	Rated Current (A) Max	Rated Volt. (Vdc)max	IR (M Ω) Min	MARK
	Min	Typ					
ZBJGM1211F-800	80	230	2.0	12.0	125	10	800
ZBJGM1211F-231	80	230	3.0	12.0	125	10	231
ZBJGM1211F-101	100	230	3.0	12.0	125	10	101
ZBJGM1211F-301	175	350	4.0	10.0	125	10	301
ZBJGM1211F-501	300	500	5.0	10.0	125	10	501
ZBJGM1211F-701	500	700	6.0	8.0	125	10	701
ZBJGM1211F-801	600	800	8.0	8.0	125	10	801
ZBJGM1211F-102	750	1000	12.0	6.0	125	10	102
ZBJGM1211F-152	1200	1500	20.0	5.0	125	10	152
ZBJGM1211F-202	1700	2000	25.0	4.0	125	10	202
ZBJGM1211F-222	2200	2500	35.0	3.0	125	10	222
ZBJGM1211F-272	2300	2700	50.0	2.0	125	10	272

Common Mode Line Filte ZBJGM1513FSeries

ELECTRICAL CHARACTERISTIC:

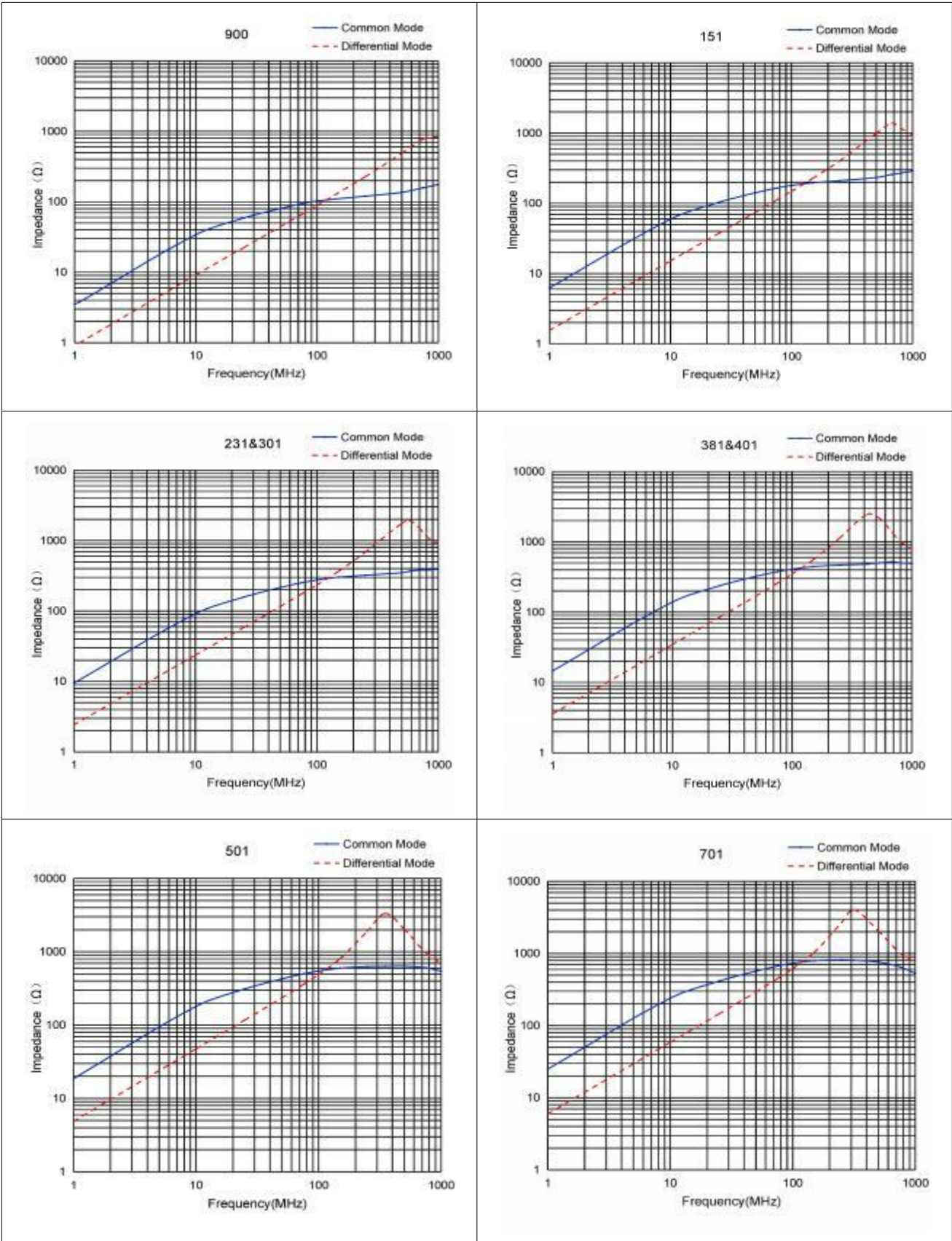
Part Number	Impedance (Ω @100MHz)		DCR (m Ω) Max.	Rated Current (A) Max	Rated Volt. (Vdc)max	IR (M Ω) Min.	MARK
	Min	Typ					
ZBJGM1513F-101	125	200	3.0	13.0	80	10	101
ZBJGM1513F-301	250	300	4.0	13.0	80	10	301
ZBJGM1513F-501	380	500	5.0	12.0	80	10	501
ZBJGM1513F-551	450	550	6.0	10.0	80	10	551
ZBJGM1513F-701	500	700	7.0	10.0	80	10	701
ZBJGM1513F-102	800	1000	12.0	10.0	80	10	102
ZBJGM1513F-152	1200	1500	13.0	10.0	80	10	152
ZBJGM1513F-222	1700	2200	14.0	8.0	80	10	222
ZBJGM1513F-302	1300	3000	17.0	5.0	80	10	302

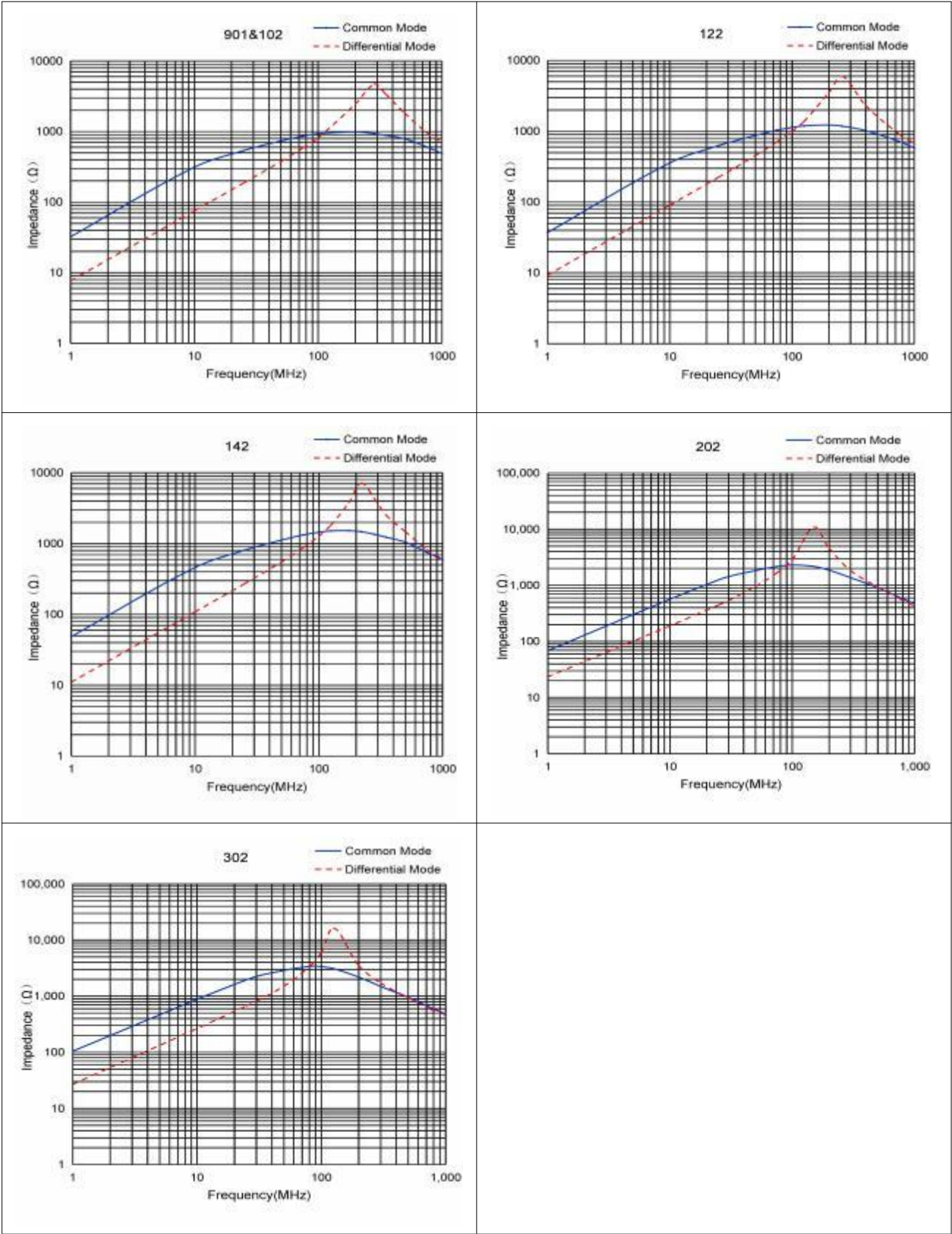
(1) .Rated Current: Temp. rise 40 °c TYP

(2) .Operating Temperature: -40 °c up to + 125°C

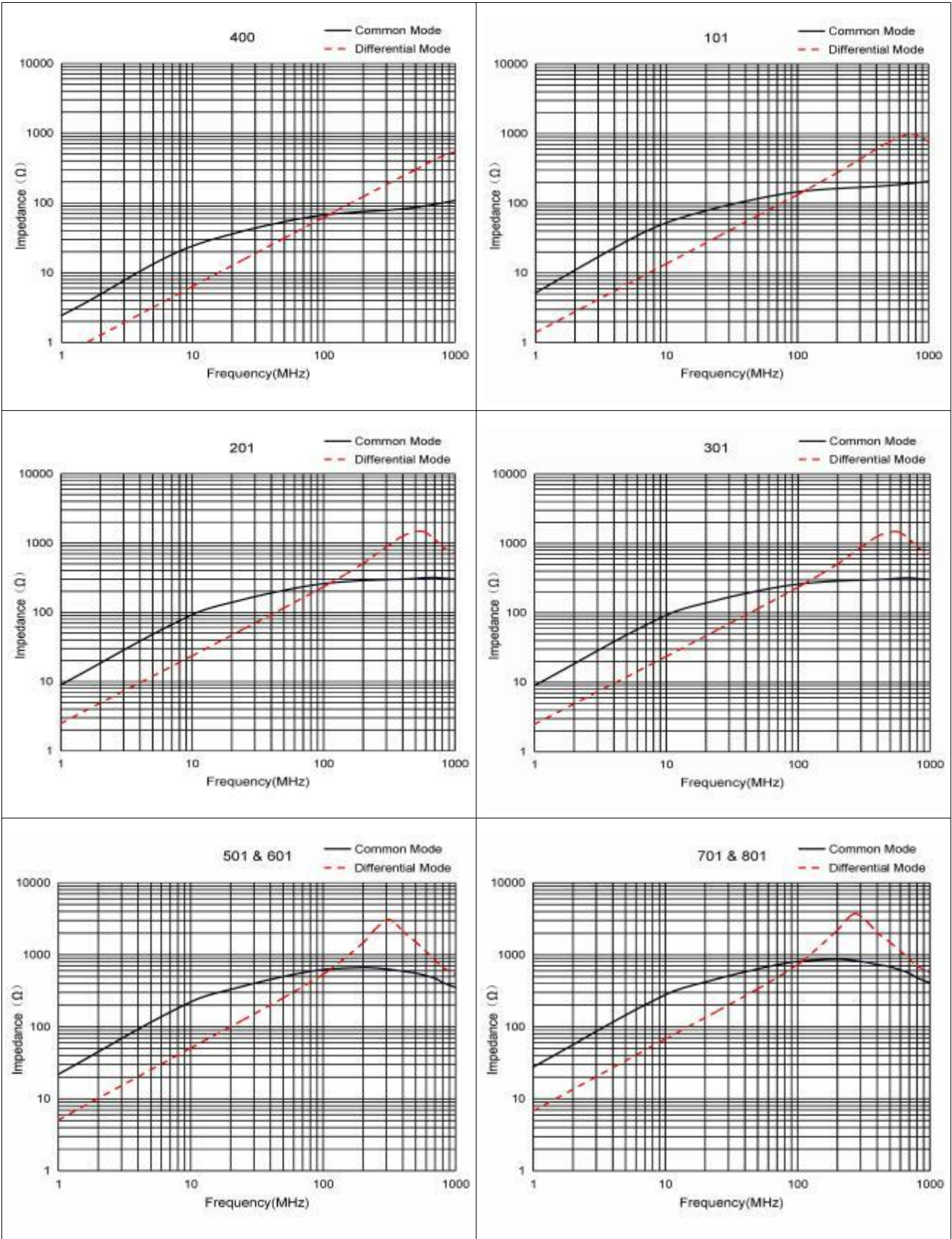
5.Impedance vs Frequency Curve

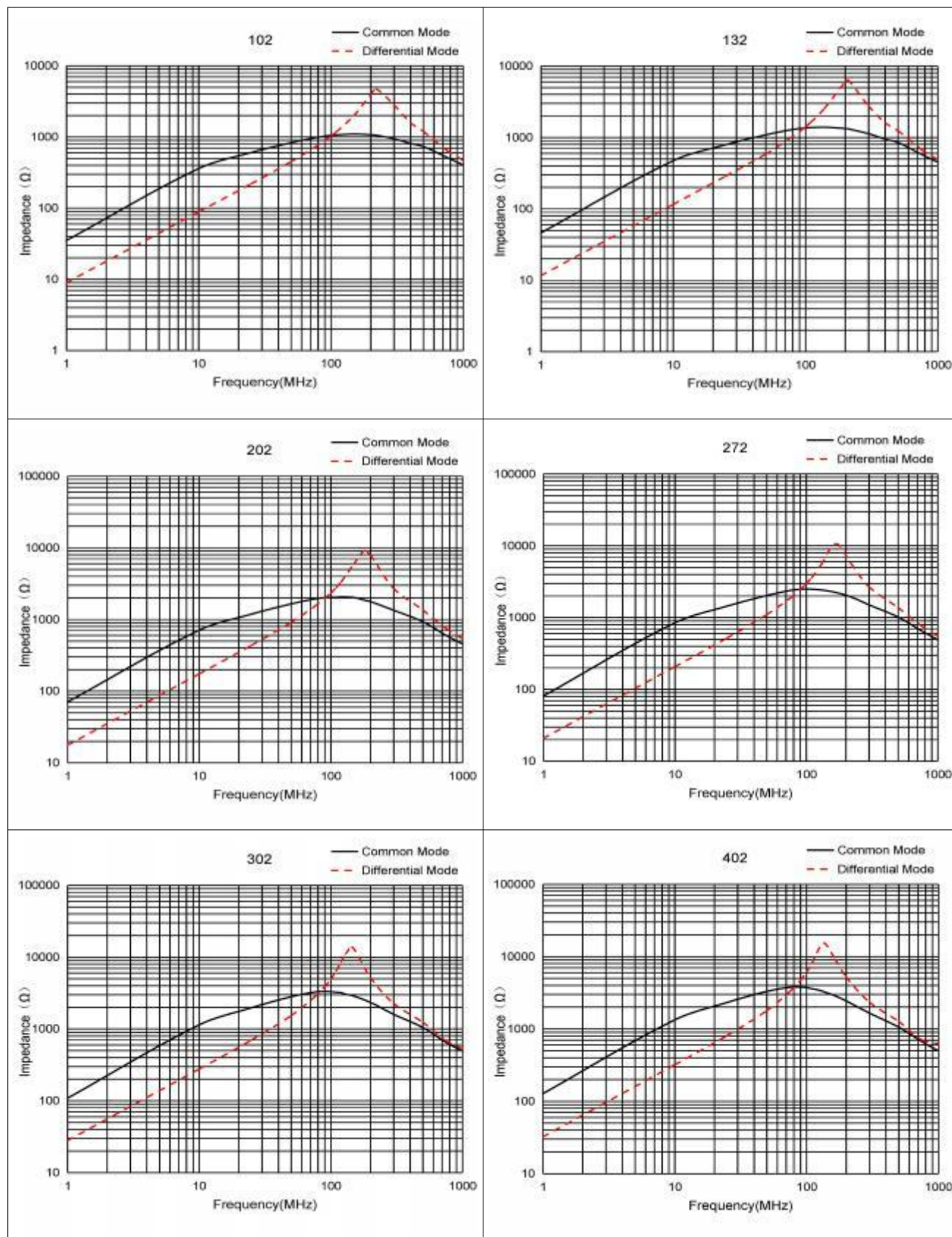
阻抗值 VS 频率曲线



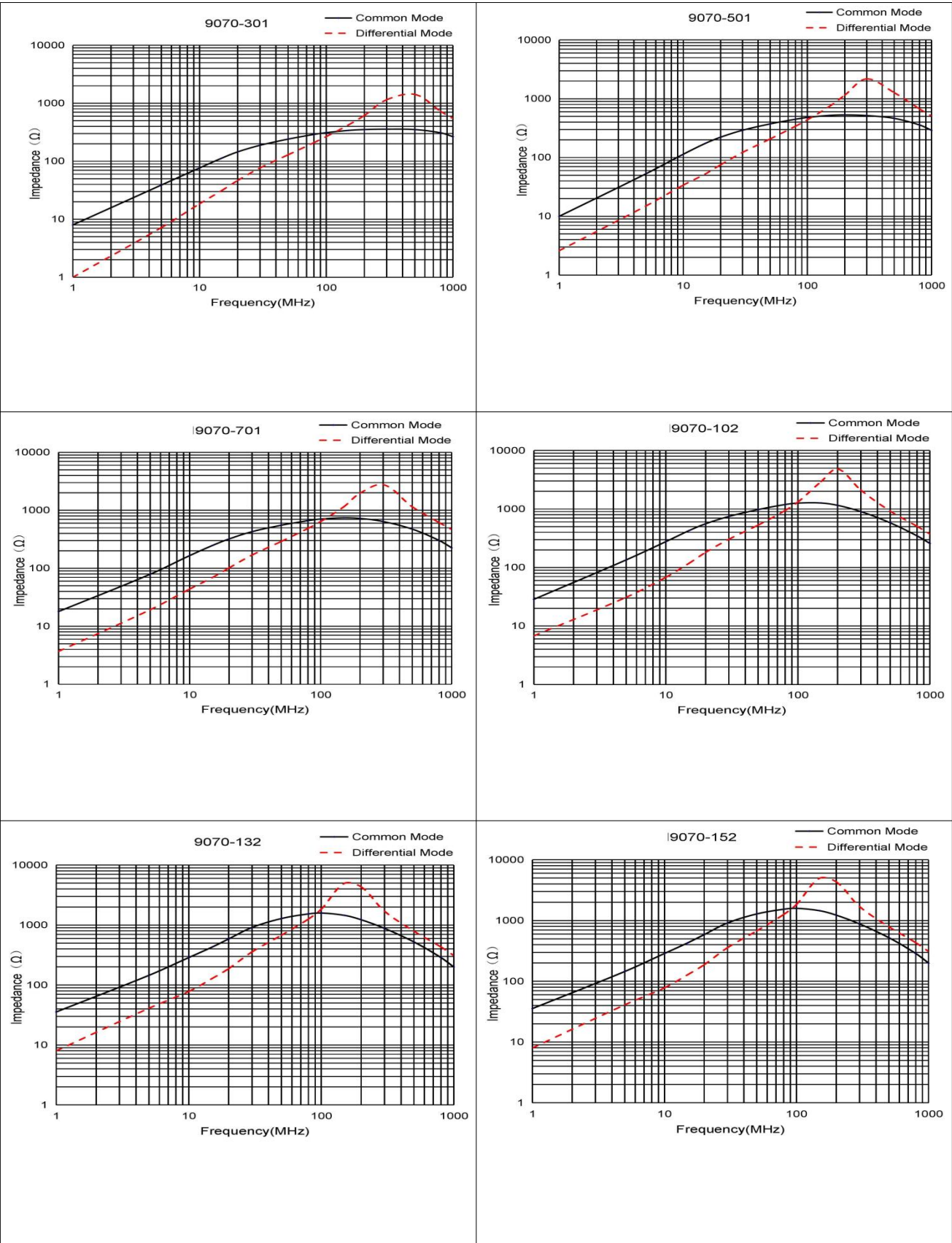


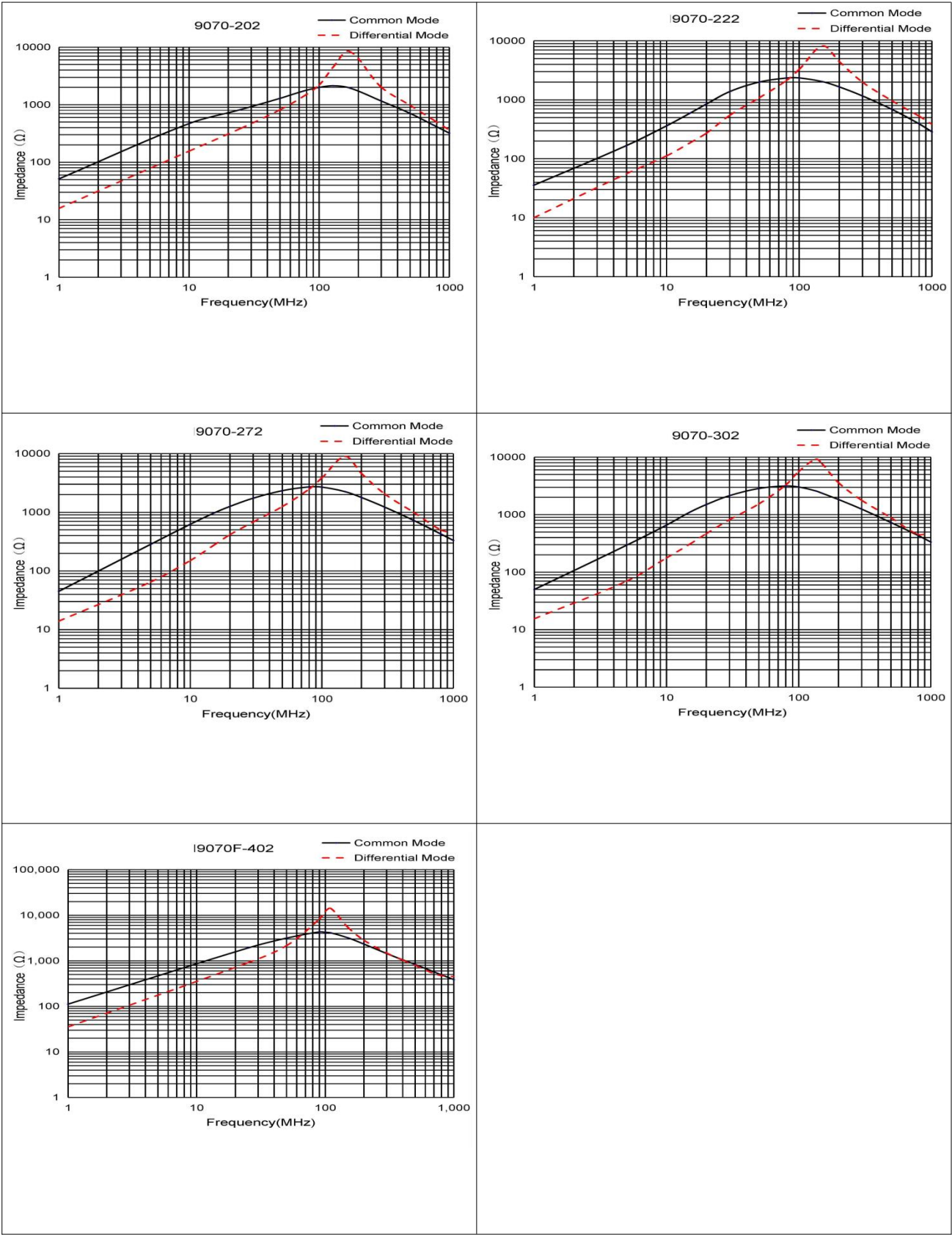
阻抗值 VS 频率曲线



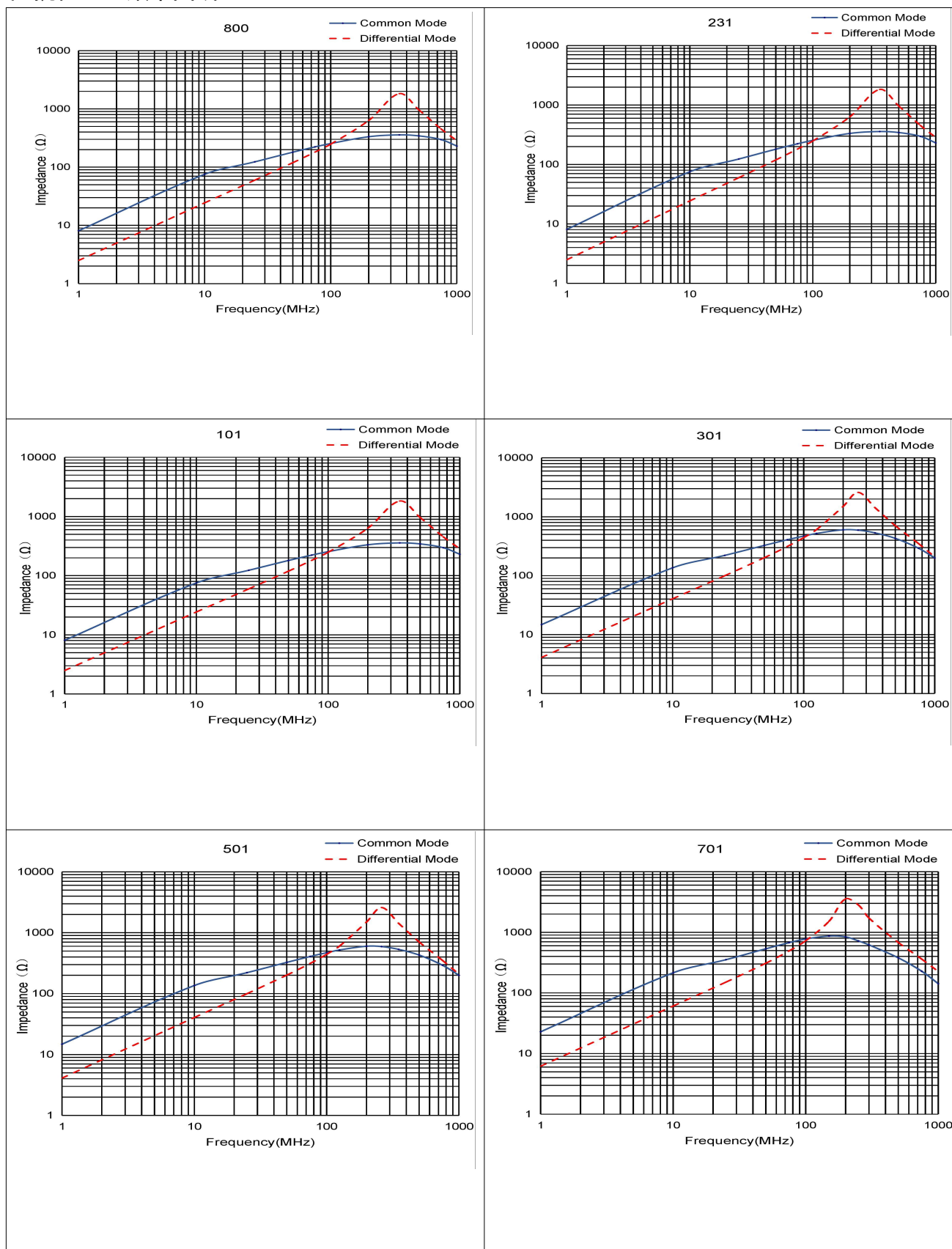


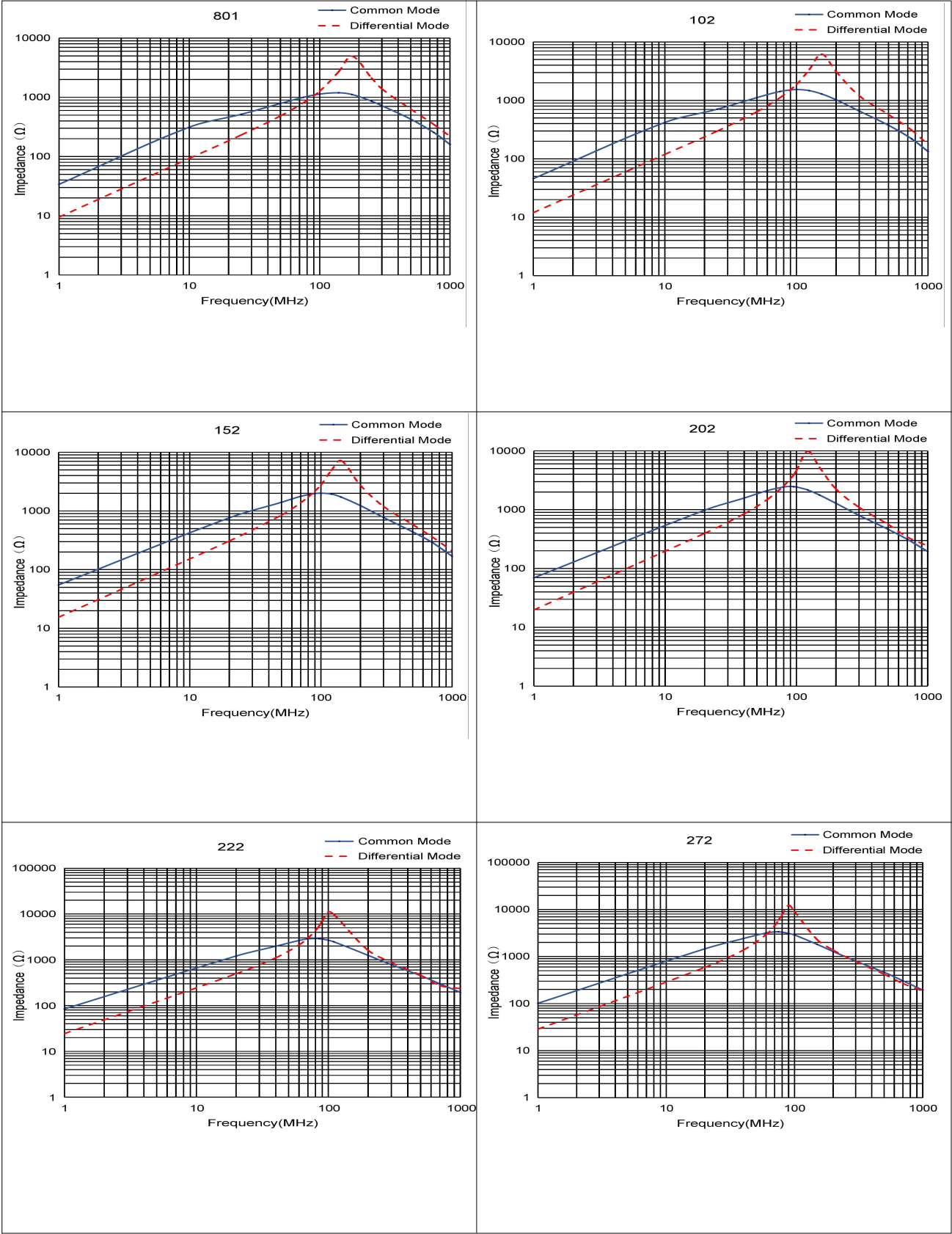
阻抗值 VS 频率曲线





阻抗值 VS 频率曲线

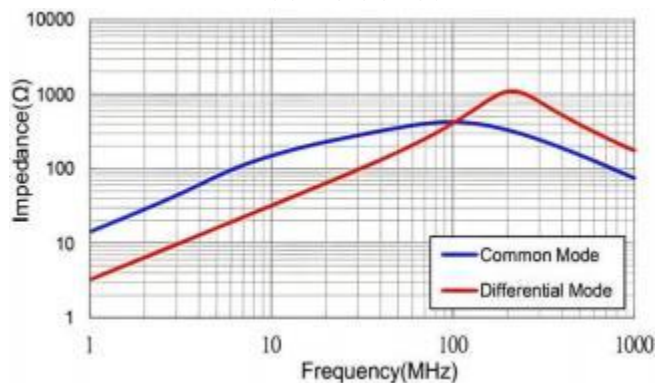




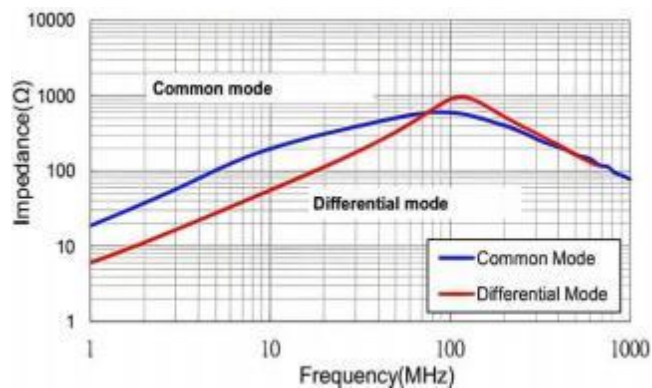
Common Mode Line Filte ZBJGM1513F Series

CHARACTERISTICS(REFERENCE)

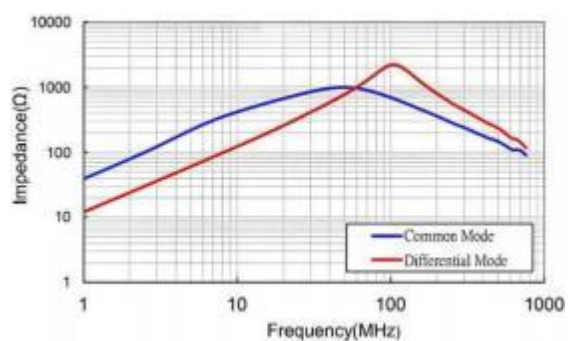
ZBJGM1513CF-301



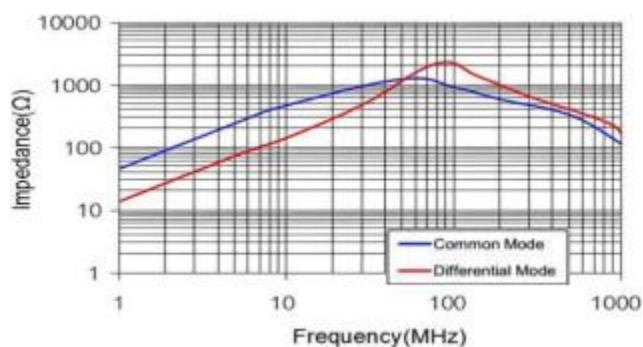
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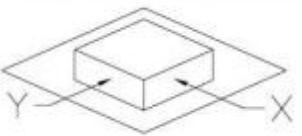
ZBJGM1513CF-601&701



ZBJGM1513CF-102

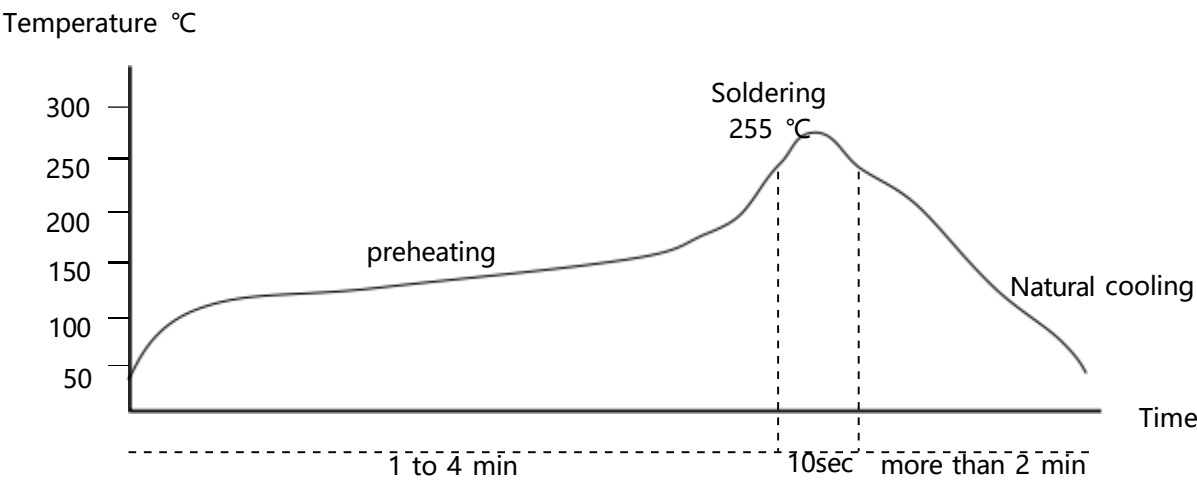


RELIABILITY TESTING	
Operating Temperature	- 40 to +125 °C (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C(- 40~ + 125 °C)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition



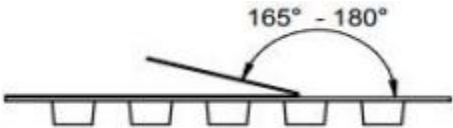
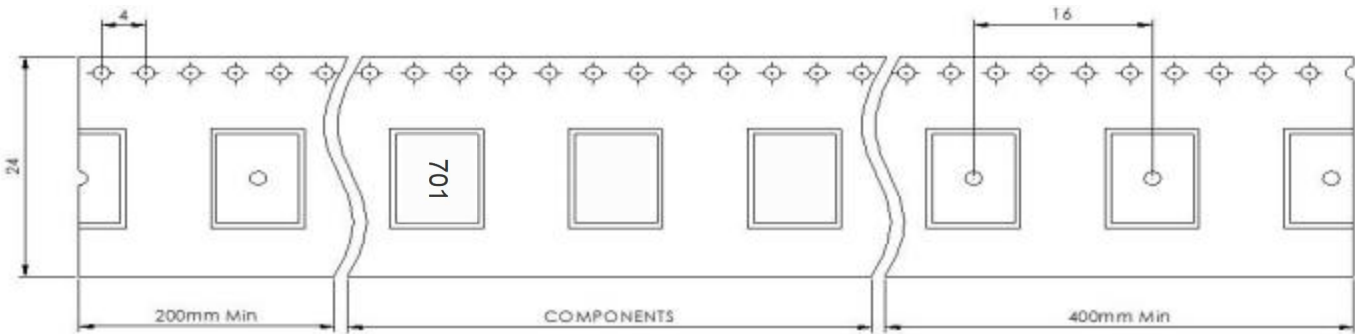
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile

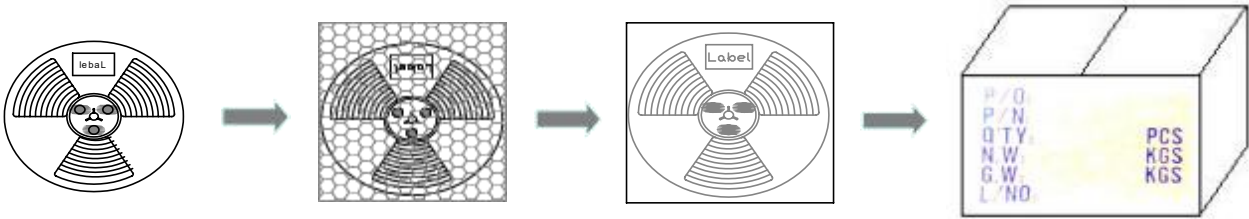


Temperature and humidity . After that , no mechanical and electrical defect should be found .

七. 包装规格/PACKING SPECIFICATIONS



Tape width	Distance	Pull-of force
24 mm	16 mm	10~120g



轮盘：13'（直径330mm） PE袋 内盒 外箱，不足整箱用内盒或填充物装满

系列	盘系数	盒系数	箱系数
4520	1000	4000	20000
7060	1500	4500	22500
9070	700	1400	7000
1211	500	1000	5000

4520F系列轮盘直径为178mm
其他系列均为330mm