

FEATURES

- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Low profile design makes it optimal for surface mounting.
- Operating temperature: -40°C ~ +105°C.



APPLICATIONS

- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.

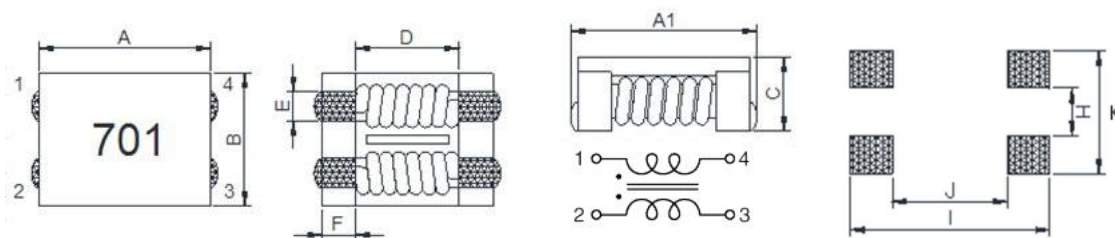
PRODUCT IDENTIFICATION

ALCM 4520 F 900 T

(1) (2) (3) (4) (5)

- (1) 系列名称 Series name
- (2) 产品尺寸 Product dimensions
- (3) 特性类别 Feature Type
- (4) 阻抗值 Impedance Value (100:10Ω, 101:100Ω, 102:1000Ω)
- (5) 包装 Package(T:Tape&Reel 卷盘编带)

SHAPE AND DIMENSIONS



Series	A	A1	B	C Max.	D Typ.	E Typ.	F Typ.	K Typ.	H Typ.	I Typ.	J Typ.
ALCM4520F	4.7±0.5	5.2±0.5	4.5±0.5	2.3	2.7	0.8	1.0	3.0	1.0	6.0	2.0
ALCM7060F	7.0±0.5	7.5±0.5	6.0±0.5	3.8	3.5	1.5	1.7	5.0	1.5	8.0	3.0
ALCM9070F	9.0±0.5	9.5±0.5	7.0±0.5	4.8	5.6	1.5	1.7	5.5	1.5	10.5	5.0
ALCM1211F	12.0±0.5	12.5±0.5	10.8±0.5	6.4	7.0	2.7	2.5	8.5	2.0	12.5	6.5
ALCM1513F	15.0±0.5	15.3±0.5	13.0±0.5	6.0	9.0	2.7	3.0	9.5	3.3	16.0	8.0

Unit:mm

SPECIFICATIONS

ALCM4520F Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM4520F900T	60	90	35	3.2	50	10
ALCM4520F151T	90	150	40	3.1	50	10
ALCM4520F231T	180	230	45	3.0	50	10
ALCM4520F301T	200	300	45	3.0	50	10
ALCM4520F421T	300	420	50	2.5	50	10
ALCM4520F701T	500	700	59	2.2	50	10
ALCM4520F901T	650	900	68	2.1	50	10
ALCM4520F102T	800	1000	68	2.1	50	10
ALCM4520F122T	1000	1200	74	2.0	50	10
ALCM4520F142T	1200	1400	81	1.9	50	10

ALCM7060F Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM7060F400T	40	70	5	15.0	125	10
ALCM7060F101T	100	140	10	9.0	125	10
ALCM7060F301T	225	300	10	5.0	125	10
ALCM7060F501T	275	450	10	5.0	125	10
ALCM7060F601T	500	700	15	4.0	125	10
ALCM7060F701T	500	700	15	4.0	125	10
ALCM7060F102T	800	1020	17	3.0	125	10
ALCM7060F132T	910	1300	21	2.5	125	10
ALCM7060F152T	1300	1500	21	2.5	125	10
ALCM7060F222T	1400	2200	63	1.2	125	10
ALCM7060F272T	2000	2700	63	1.0	125	10
ALCM7060F302T	2500	3000	75	0.9	125	10
ALCM7060F402T	3300	4000	100	0.8	125	10

ALCM9070F Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM9070F301T	225	300	6	6.0	80	10
ALCM9070F501T	450	600	8	5.5	80	10
ALCM9070F701T	500	700	10	5.0	80	10
ALCM9070F102T	750	1000	13	4.0	80	10
ALCM9070F152T	1200	1500	15	4	80	10

ALCM9070F222T	1700	2200	50	3.0	80	10
ALCM9070F272T	2000	2700	80	2.0	80	10
ALCM9070F302T	2500	3000	80	2.0	80	10
ALCM9070F402T	3300	4000	100	1.8	80	10

ALCM1211F Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM1211F800T	80	230	2.0	10	125	10
ALCM1211F301T	200	300	4.0	9	125	10
ALCM1211F501T	300	500	5.5	8	125	10
ALCM1211F701T	500	700	6.0	8	125	10
ALCM1211F801T	600	800	8.0	8	125	10
ALCM1211F102T	750	1000	14	6	125	10
ALCM1211F222T	2200	2500	35	1.8	125	10
ALCM1211F272T	2300	2700	50	1.5	125	10

ALCM1513F Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM1513F301T	250	300	5.0	13	80	10
ALCM1513F551T	450	550	6.0	10	80	10
ALCM1513F601T	500	600	7.0	10	80	10
ALCM1513F701T	500	700	7.0	10	80	10
ALCM1513F102T	800	1000	12	10	80	10

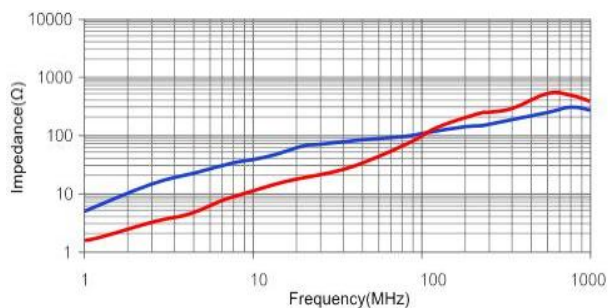
Note:

Irms: DC current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$) from 25°C ambient.

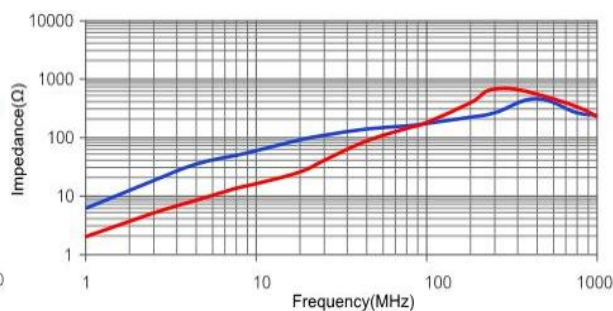
CHARACTERISTICS CURVE

ALCM4520F Series

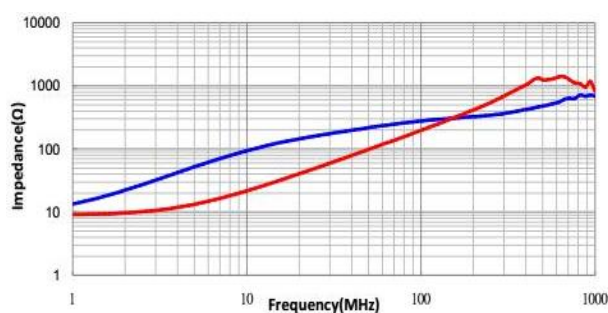
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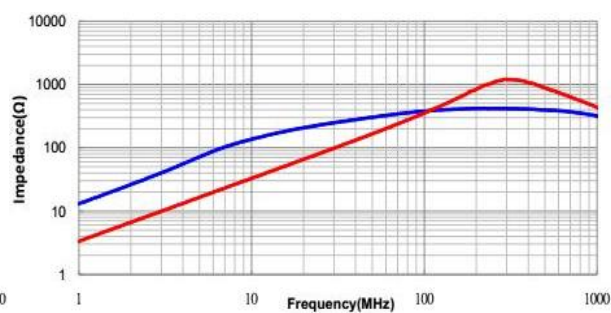
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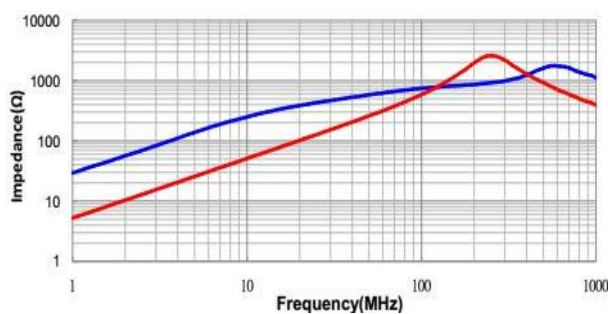
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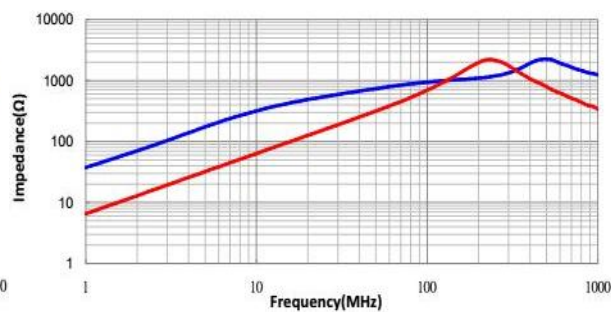
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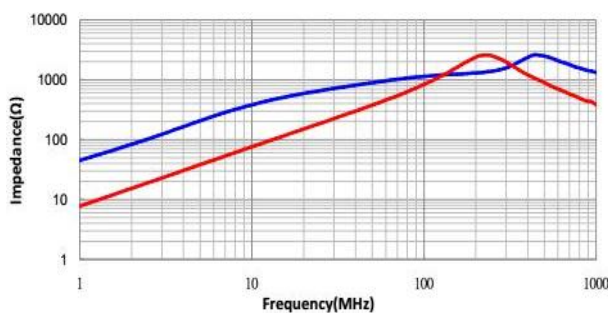
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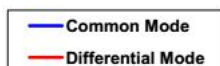
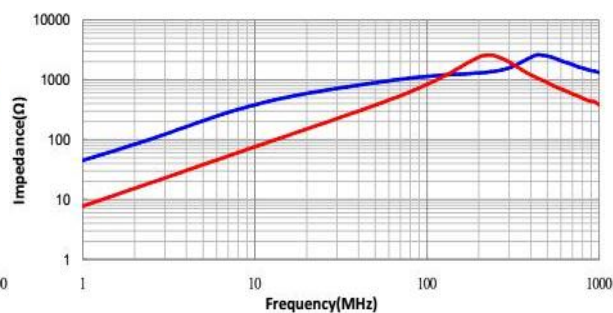
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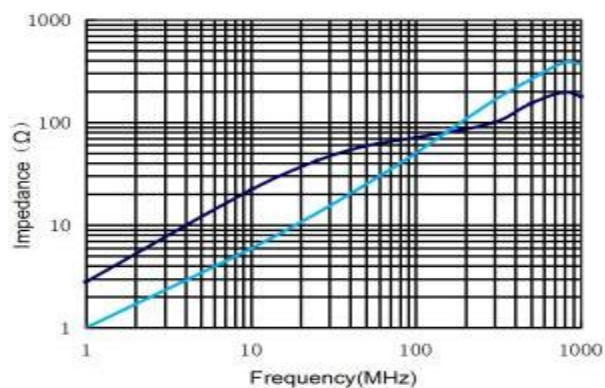


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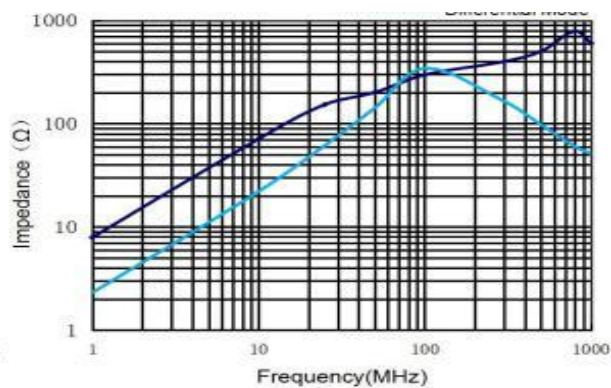


ALCM7060F Series

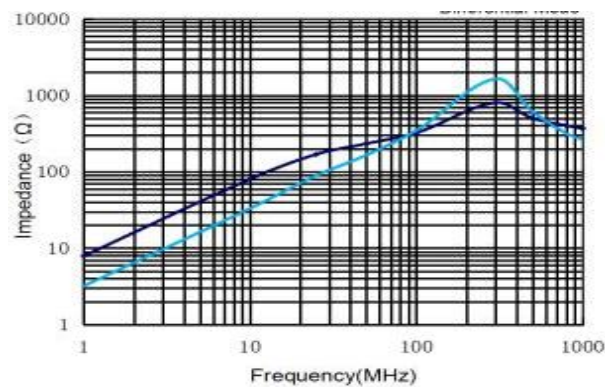
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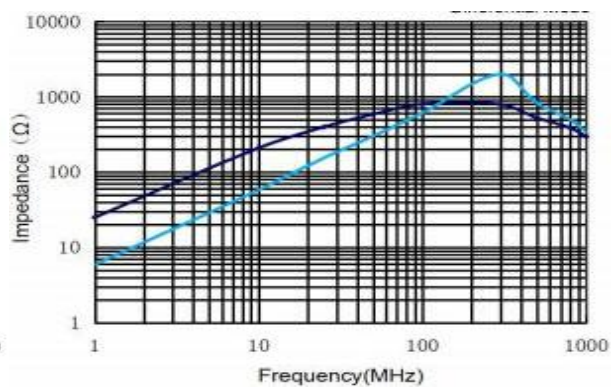
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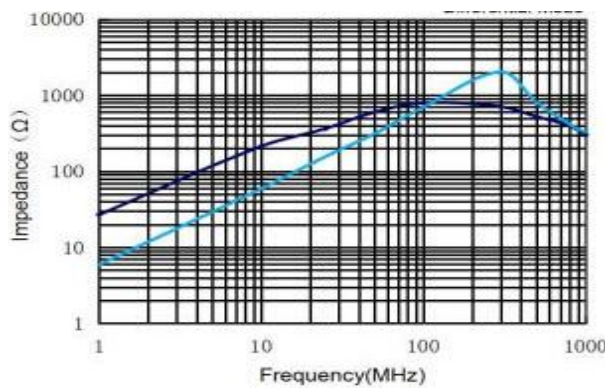
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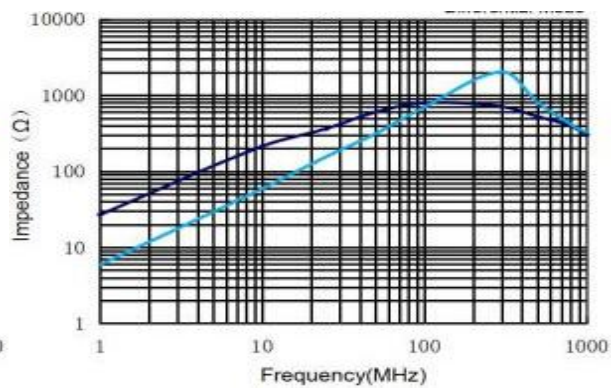
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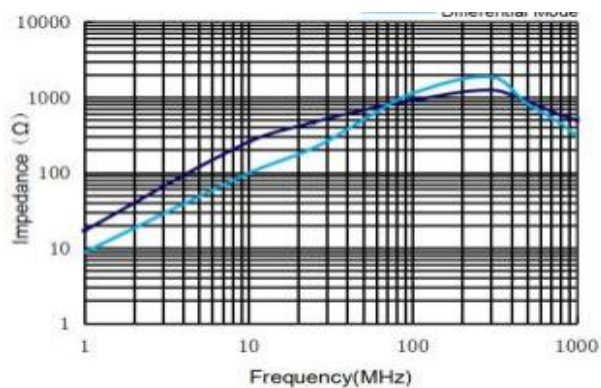
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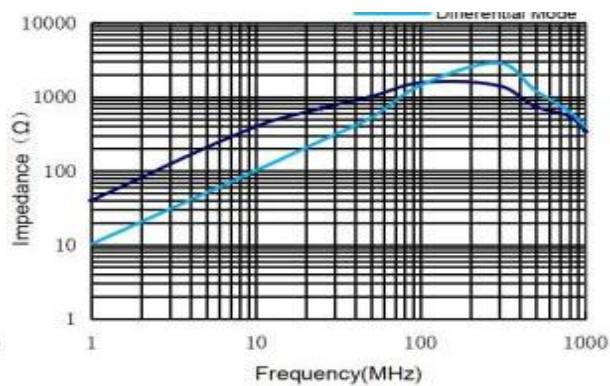
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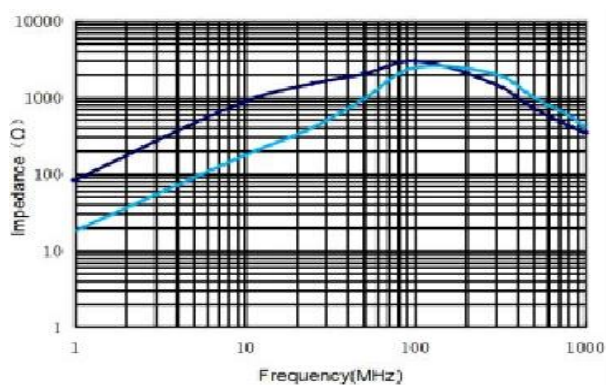
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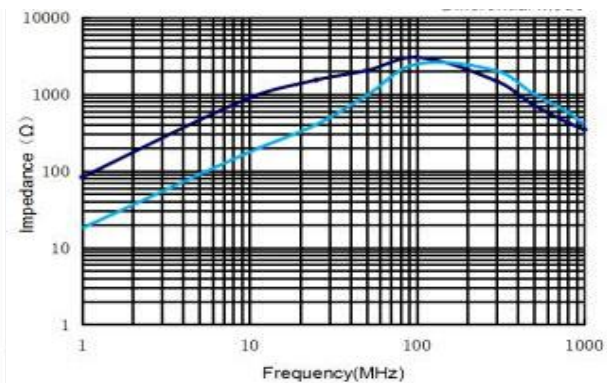
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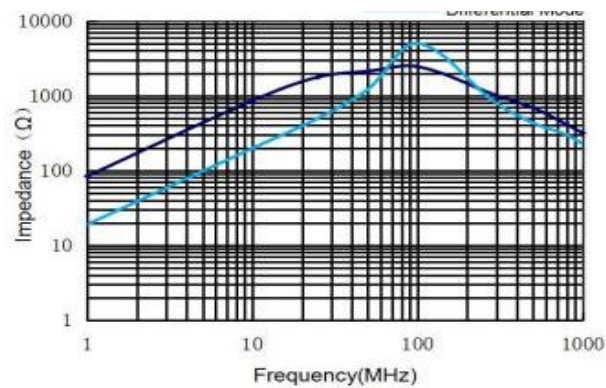
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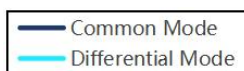
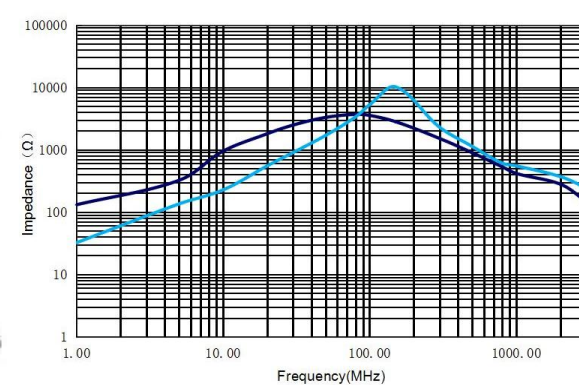
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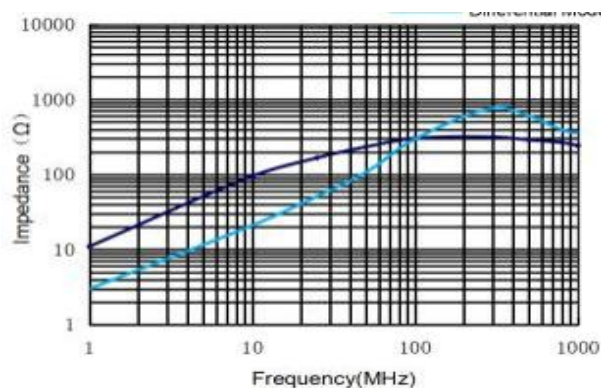


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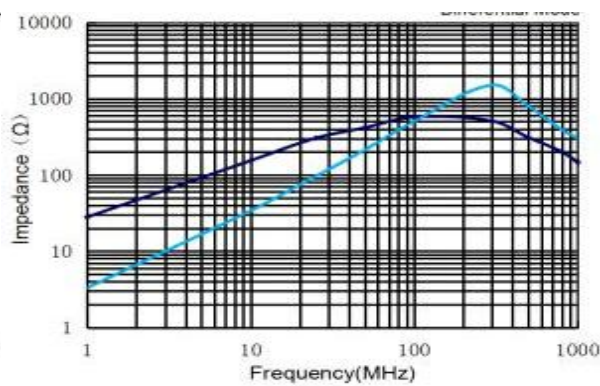


ALCM9070F Series

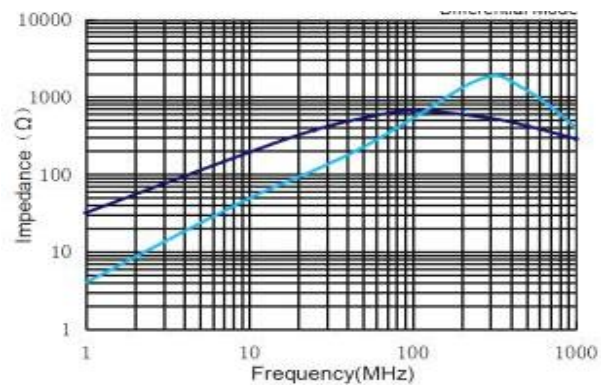
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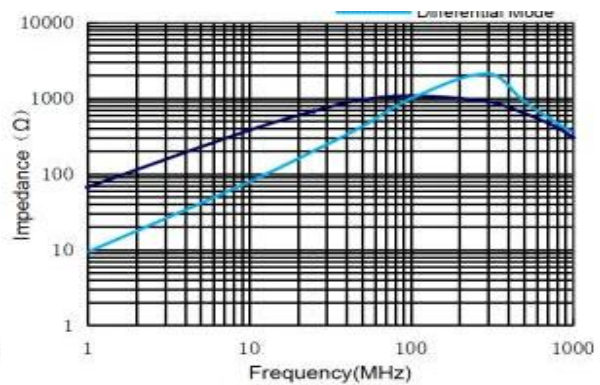
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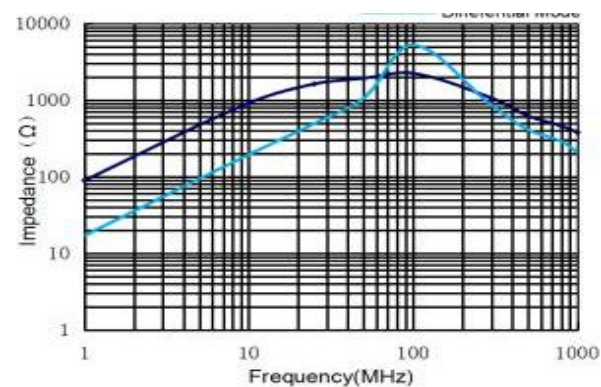
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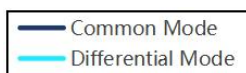
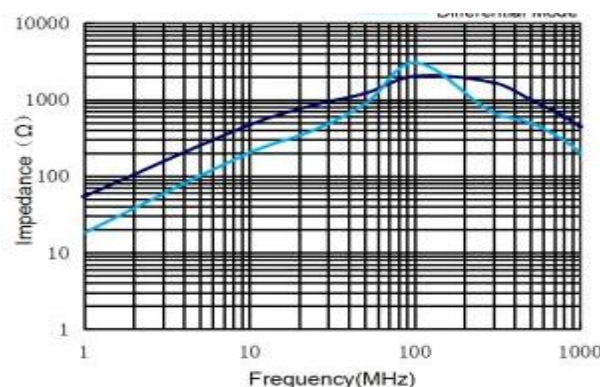
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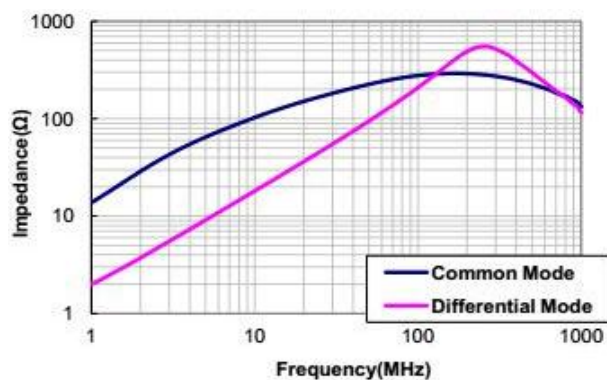


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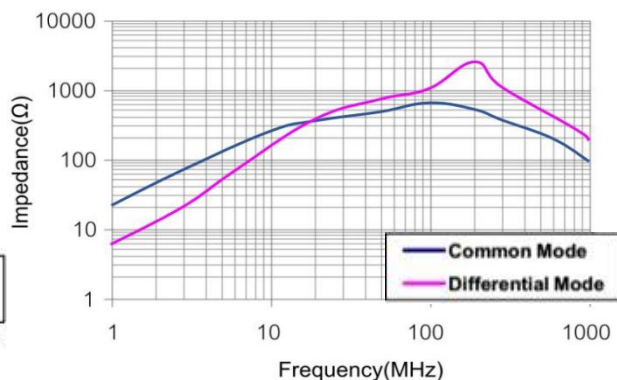


ALCM1211F Series

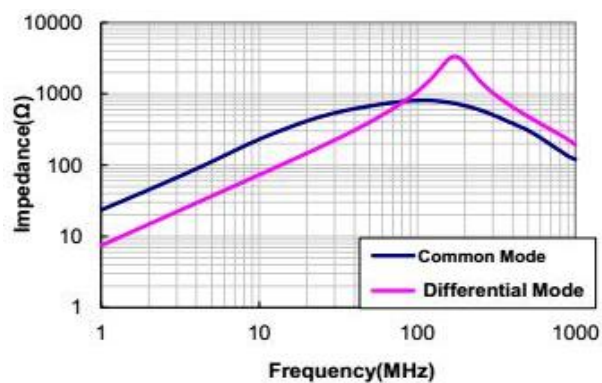
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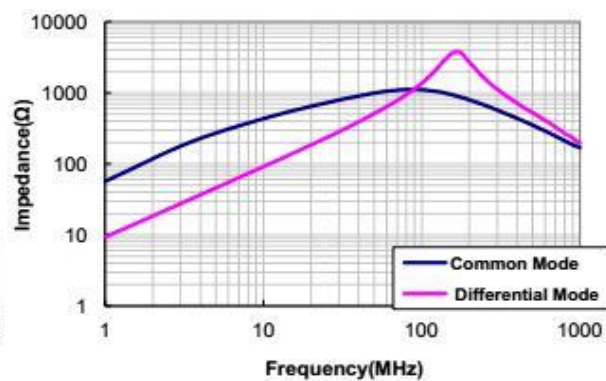
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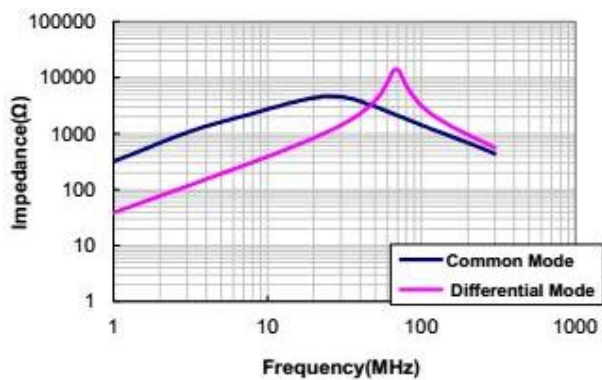
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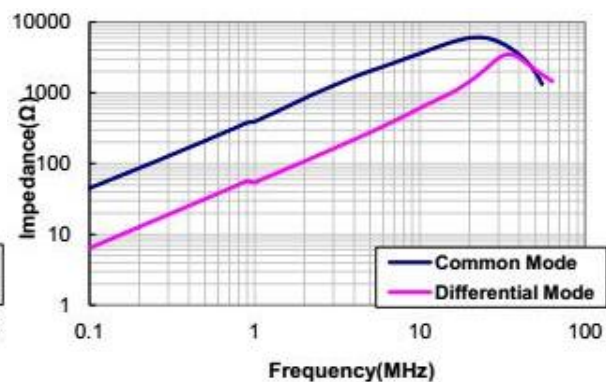
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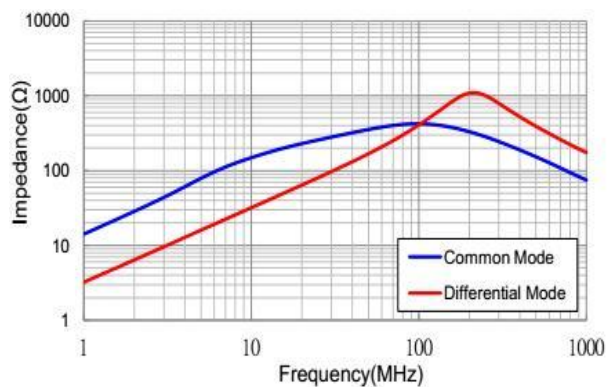


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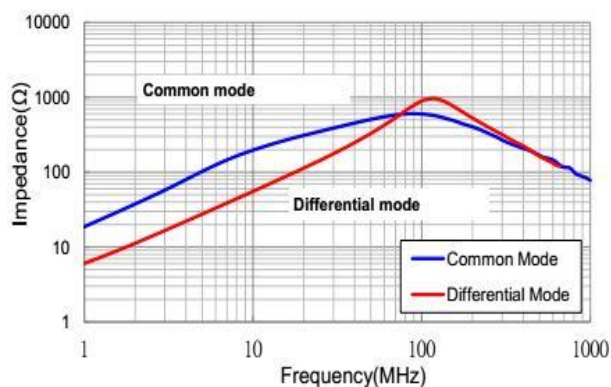


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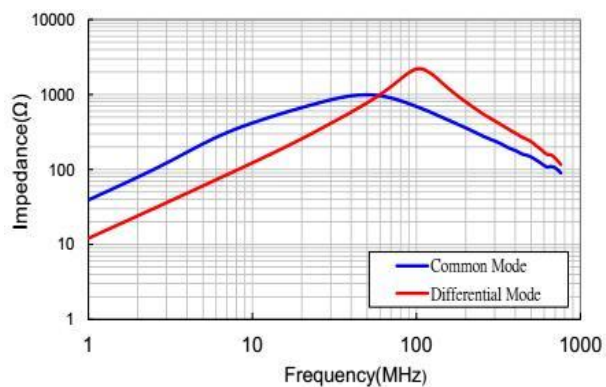
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ALCM1513F551T



ALCM1513F601&701T



ALCM1513F102T

