

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.

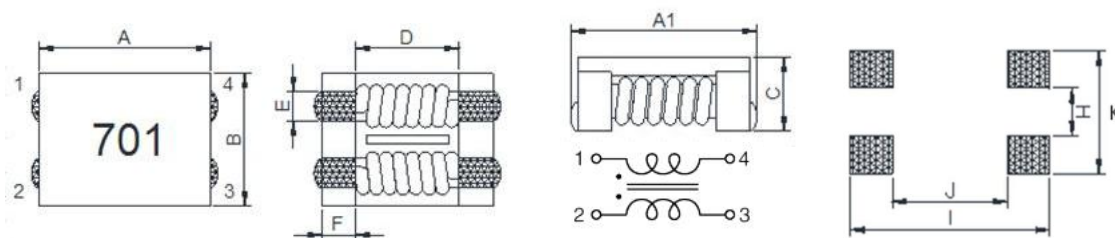
PRODUCT IDENTIFICATION

ALCM 4520 M 900 T

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

- (1) Series name
- (2) Product dimensions
- (3) Feature Type
- (4) Impedance Value (100:10Ω, 101:100Ω, 102:1000Ω)
- (5) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS



Unit:mm

Series	A	A1	B	C Max.	D Typ.	E Typ.	F Typ.	K Typ.	H Typ.	I Typ.	J Typ.
ALCM4520M	4.7±0.5	5.2±0.5	4.5±0.5	2.0	2.7	0.8	1.0	3.0	1.0	6.0	2.0
ALCM7060M	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
ALCM9070M	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
ALCM1211M	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

SPECIFICATIONS

ALCM4520M Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM4520M900T	60	90	35	3.2	50	10
ALCM4520M151T	90	150	40	3.1	50	10
ALCM4520M231T	180	230	45	3.0	50	10
ALCM4520M301T	200	300	45	3.0	50	10
ALCM4520M421T	300	420	50	2.5	50	10
ALCM4520M701T	500	700	59	2.2	50	10
ALCM4520M901T	650	900	68	2.1	50	10
ALCM4520M102T	800	1000	68	2.1	50	10
ALCM4520M122T	1000	1200	74	2.0	50	10
ALCM4520M142T	1200	1400	81	1.9	50	10

ALCM7060M Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM7060M400T	40	70	5	15.0	125	10
ALCM7060M101T	100	140	10	9.0	125	10
ALCM7060M301T	225	300	10	5.0	125	10
ALCM7060M501T	275	450	10	5.0	125	10
ALCM7060M601T	500	700	15	4.0	125	10
ALCM7060M701T	500	700	15	4.0	125	10
ALCM7060M102T	800	1020	17	3.0	125	10
ALCM7060M132T	910	1300	21	2.5	125	10
ALCM7060M272T	2000	2700	63	1.0	125	10
ALCM7060M302T	2500	3000	75	0.9	125	10

ALCM9070M Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM9070M301T	225	300	6	6.0	80	10
ALCM9070M501T	450	600	8	5.5	80	10
ALCM9070M701T	500	700	10	5.0	80	10
ALCM9070M102T	750	1000	13	4.0	80	10
ALCM9070M222T	1700	2200	50	3.0	80	10
ALCM9070M272T	2000	2700	80	2.0	80	10
ALCM9070M302T	2500	3000	80	2.0	80	10

ALCM1211M Series

Part Number	Impedance (Ω @100MHz)		DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.				
ALCM1211M800T	80	230	2.0	10	125	10
ALCM1211M301T	200	300	4.0	9	125	10
ALCM1211M501T	300	500	5.5	8	125	10
ALCM1211M701T	500	700	6.0	8	125	10
ALCM1211M801T	600	800	8.0	8	125	10
ALCM1211M102T	750	1000	14	6	125	10
ALCM1211M222T	2200	2500	35	1.8	125	10
ALCM1211M272T	2300	2700	50	1.5	125	10

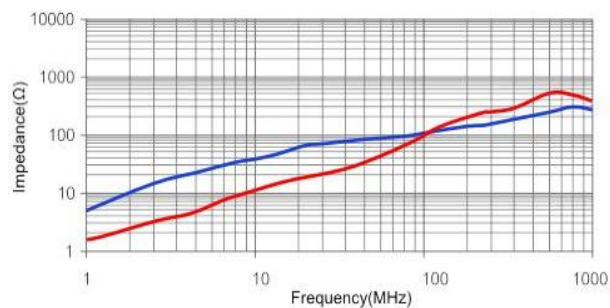
Note:

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

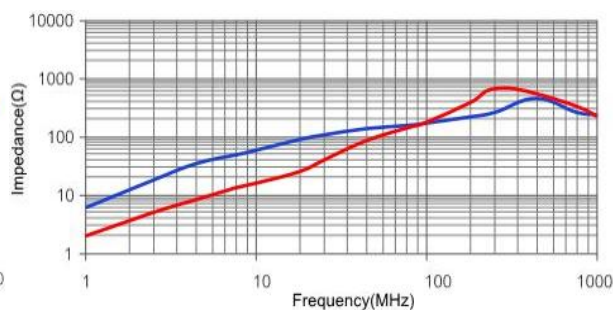
CHARACTERISTICS CURVE

ALCM4520M Series

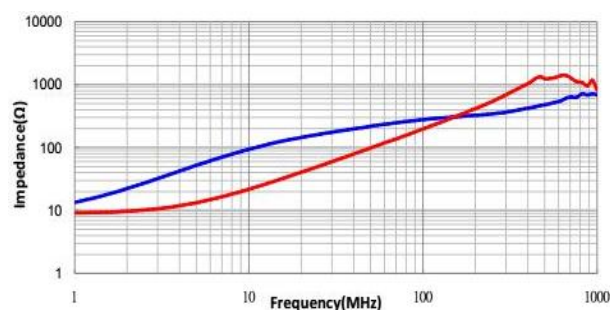
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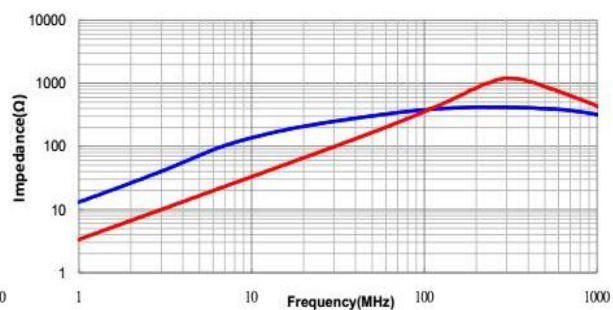
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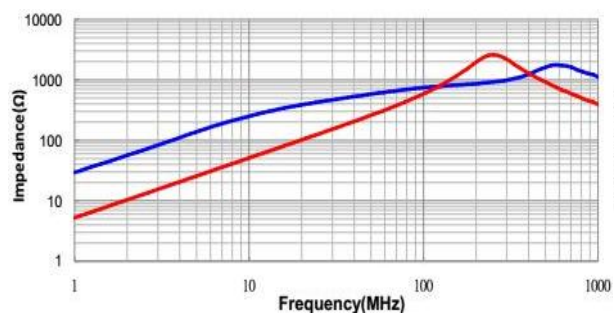
ALCM4520M231&301T



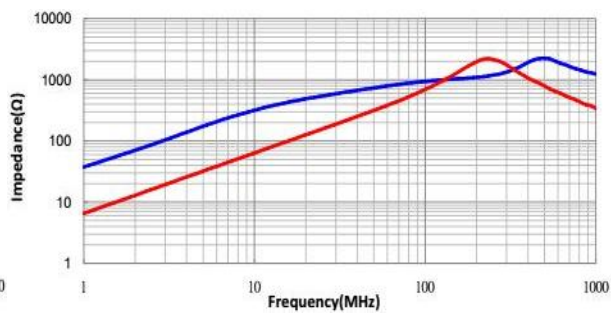
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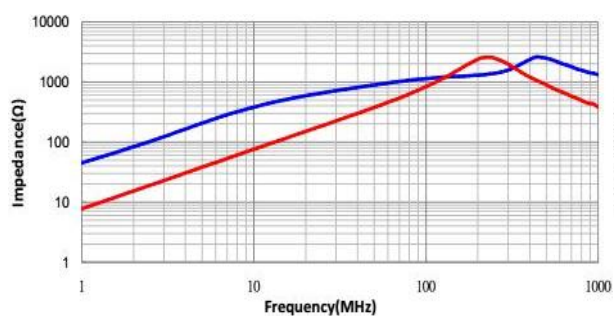
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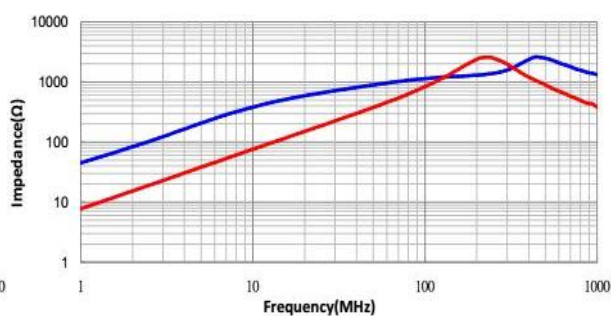
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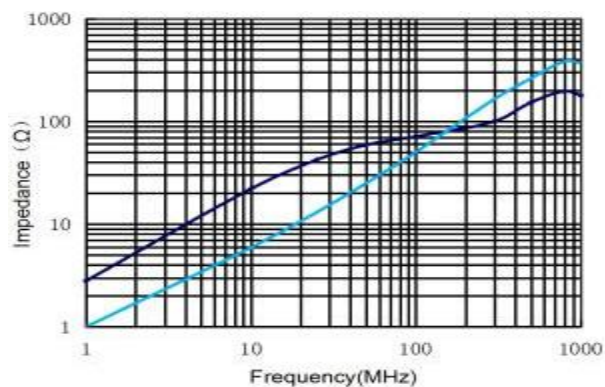


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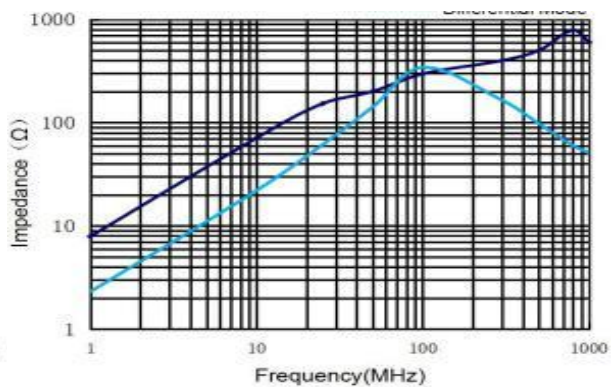


ALCM7060M Series

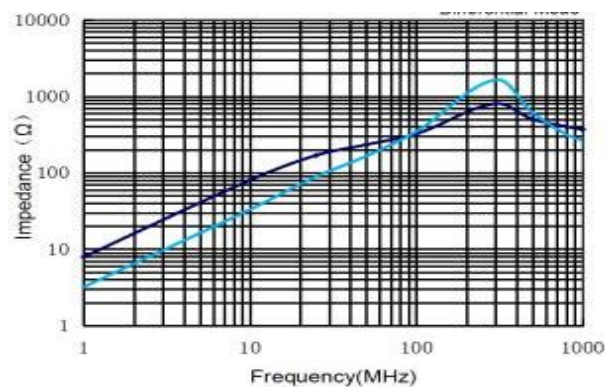
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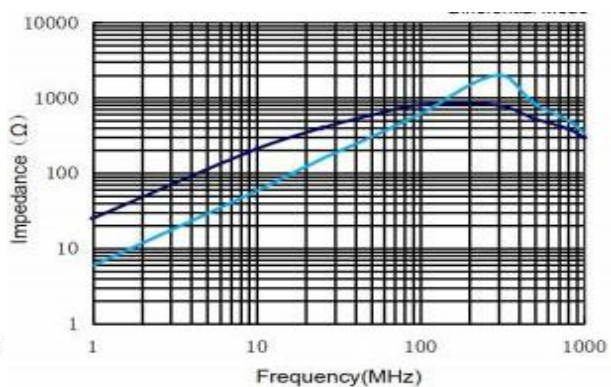
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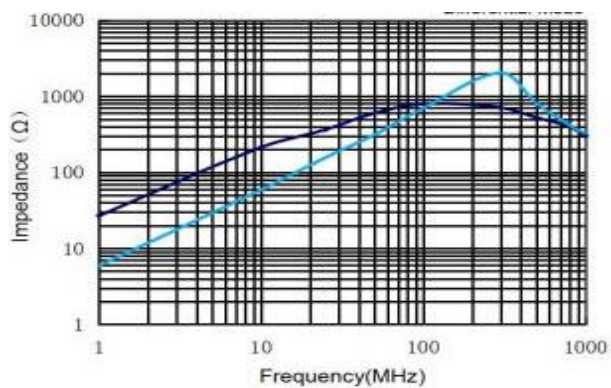
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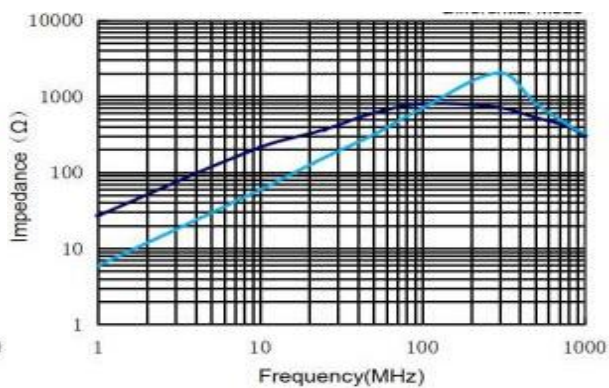
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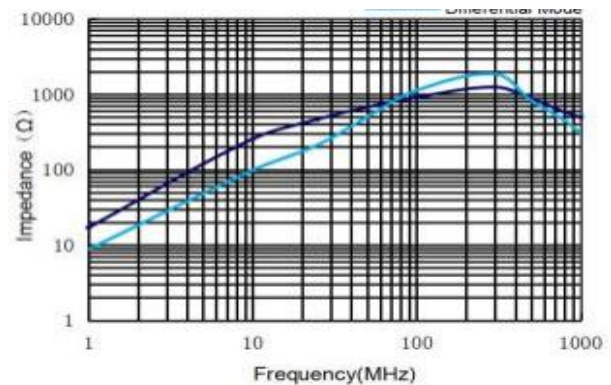
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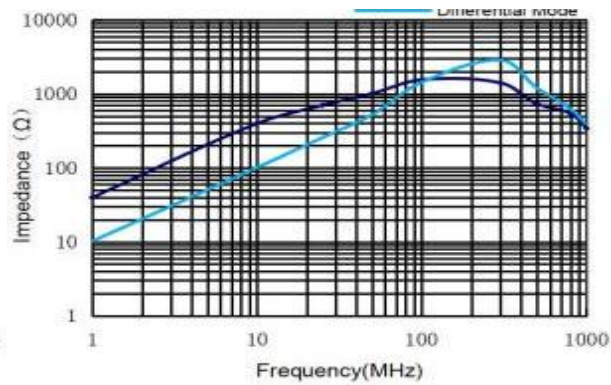
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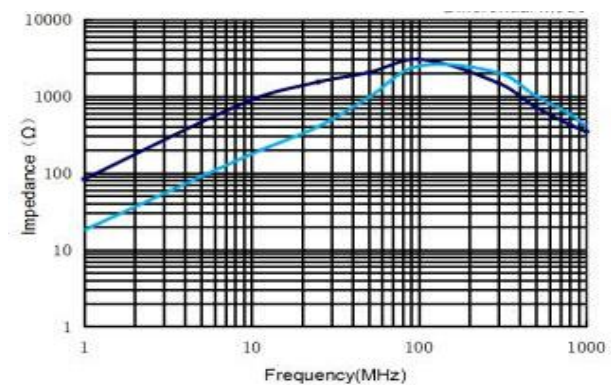
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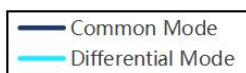
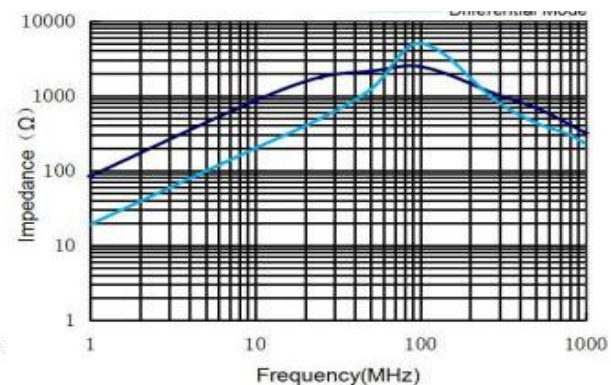
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ALCM7060M272T

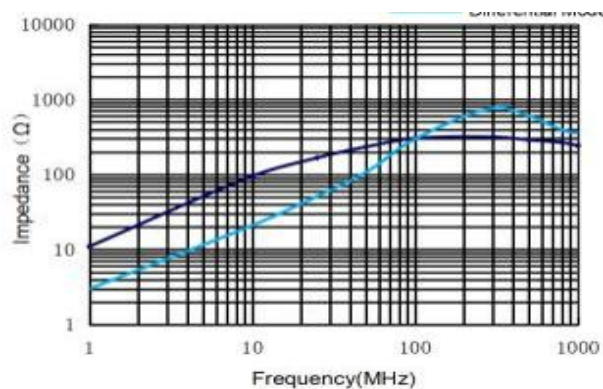


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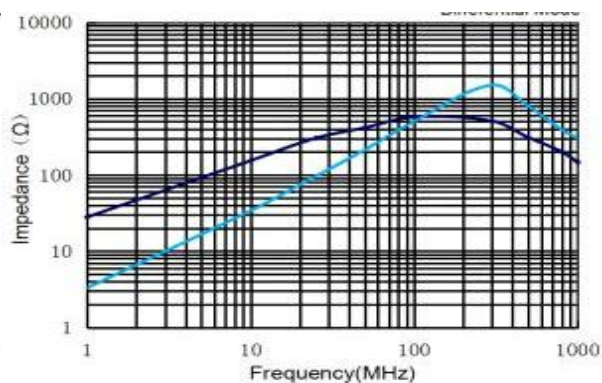


ALCM9070M Series

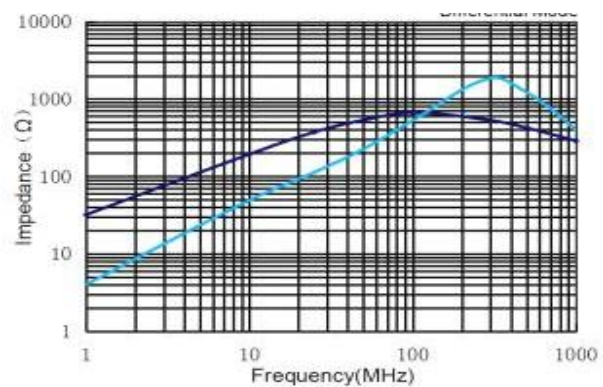
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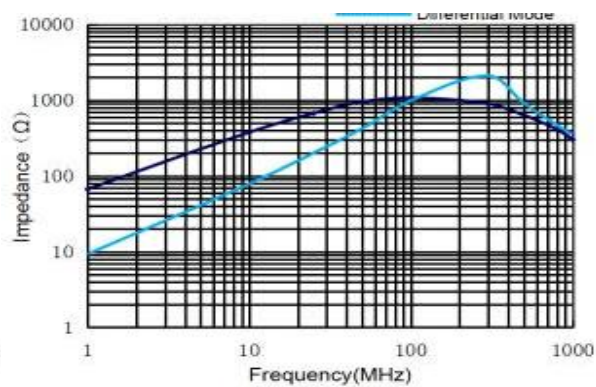
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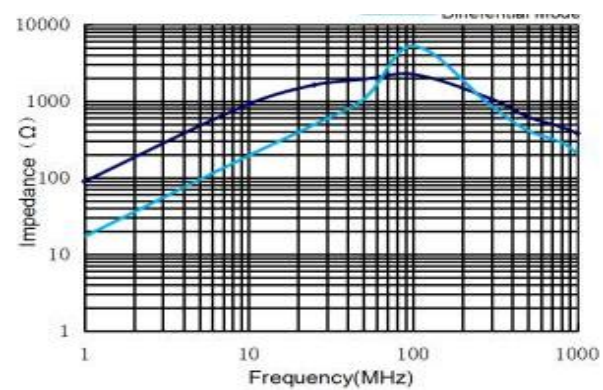
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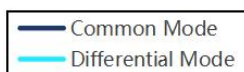
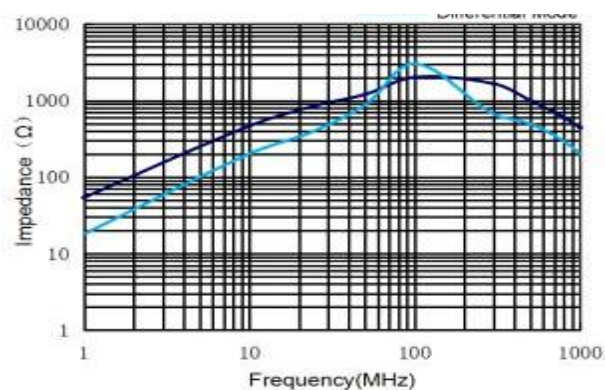
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ALCM9070M222T

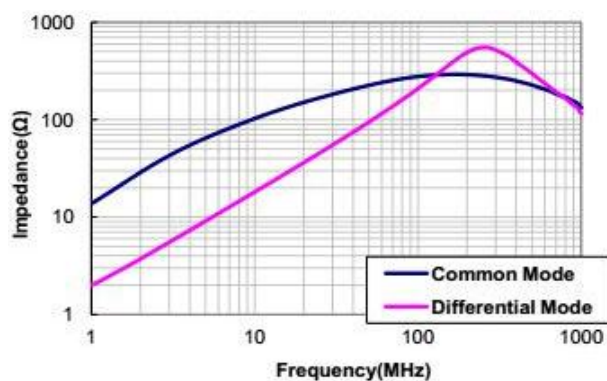


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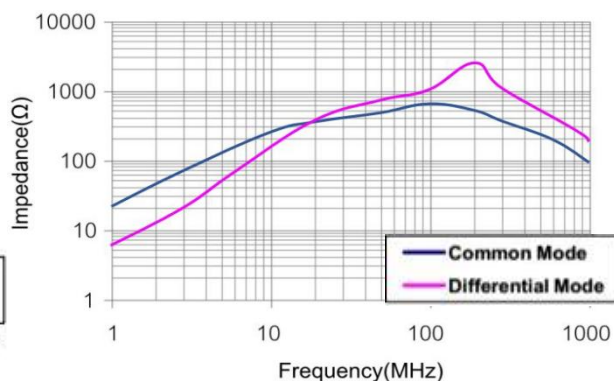


ALCM1211M Series

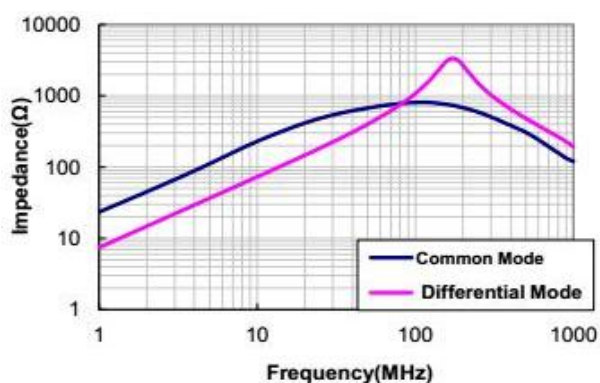
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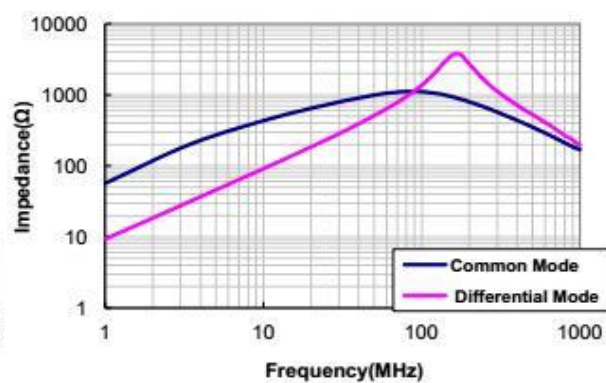
ALCM1211M501T



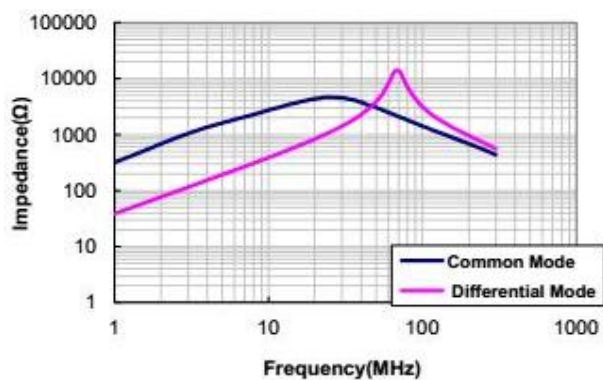
ALCM1211M701&801T



ALCM1211M102T



ALCM1211M222T



ALCM1211M272T

