

FEATURES

- Winding Type realizes small size and low profile.
- Prevention of common mode noise at high frequency.
- Wide impedance ranges are optional for different noise level and signal frequency.
- Excellent Solderability.
- Operating temperature: -40°C ~ +85°C.



APPLICATIONS

- High speed signal lines for USB, HDMI, IEEE1394, LVDS.

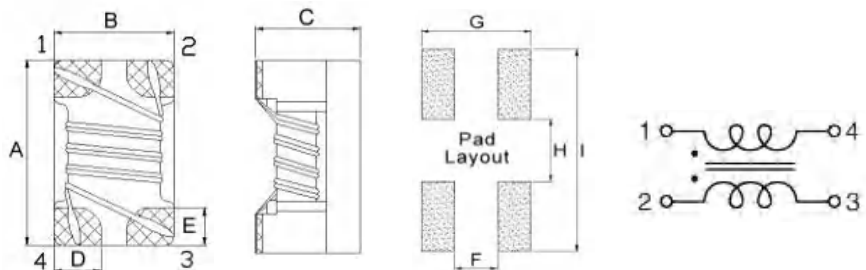
PRODUCT IDENTIFICATION

CMF 2012 S 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	B	C	D Typ.	E Typ.	F Typ.	G Typ.	H Typ.	I Typ.
CMF1210	1.2±0.2	1.0±0.2	0.9 Max.	0.35	0.35	0.25	1.10	0.40	1.30
CMF2012	2.0±0.2	1.2±0.2	1.2±0.2	0.46	0.55	0.40	1.25	0.80	2.60
CMF2520	2.5±0.2	2.0±0.2	1.2±0.2	0.46	0.60	0.60	2.10	1.20	3.20
CMF3216	3.2±0.2	1.6±0.2	1.9±0.2	0.60	0.70	0.40	1.90	1.70	3.50
CMF3225	3.2±0.2	2.5±0.2	2.2±0.2	0.90	0.80	0.60	2.80	1.70	4.40
CMF4532	4.5±0.2	3.2±0.2	2.8±0.2	1.20	1.00	0.70	3.80	2.50	4.80

Unit:mm

SPECIFICATIONS

CMF1210 Series

Part Number	Impedance (Ω @100MHz)	Tolerance(%)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
CMF1210S220T	22	25	0.20	400	50	10
CMF1210S500T	50	25	0.30	400	50	10
CMF1210S600T	60	25	0.30	400	50	10
CMF1210S900T	90	25	0.40	400	50	10

CMF2012 Series

Part Number	Impedance (Ω @100MHz)	Tolerance(%)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
CMF2012S500T	50	25	0.25	400	50	10
CMF2012S670T	67	25	0.25	400	50	10
CMF2012S900T	90	25	0.30	400	50	10
CMF2012S121T	120	25	0.30	400	50	10
CMF2012S181T	180	25	0.35	330	50	10
CMF2012S221T	220	25	0.40	300	50	10
CMF2012S261T	260	25	0.40	300	50	10
CMF2012S361T	360	25	0.55	280	50	10
CMF2012S601T	600	25	0.60	220	50	10
CMF2012S801T	800	25	0.88	300	50	10
CMF2012S901T	900	25	0.90	150	50	10
CMF2012S102T	1000	25	1.30	150	50	10

CMF2520 Series

Part Number	Impedance (Ω @100MHz)	Tolerance(%)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
CMF2520S301T	300	25	0.20	400	50	10
CMF2520S451T	450	25	0.30	350	50	10
CMF2520S601T	600	25	0.38	330	50	10
CMF2520S102T	1000	25	0.50	240	50	10

CMF3216 Series

Part Number	Impedance (Ω @100MHz)	Tolerance(%)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
CMF3216S600T	60	25	0.30	400	50	10
CMF3216S900T	90	25	0.30	370	50	10
CMF3216S121T	120	25	0.30	350	50	10

CMF3216S161T	160	25	0.40	340	50	10
CMF3216S221T	220	25	0.45	300	50	10
CMF3216S261T	260	25	0.50	310	50	10
CMF3216S361T	360	25	0.60	300	50	10
CMF3216S601T	600	25	0.80	260	50	10
CMF3216S801T	800	25	0.90	240	50	10
CMF3216S102T	1000	25	1.00	230	50	10
CMF3216S142T	1400	25	1.00	220	50	10
CMF3216S202T	2000	25	1.20	200	50	10
CMF3216S222T	2200	25	1.20	200	50	10

CMF3225 Series

Part Number	Impedance (Ω @100MHz)	Tolerance(%)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
CMF3225S800T	80	25	0.12	640	50	10
CMF3225S161T	160	25	0.15	480	50	10
CMF3225S271T	270	25	0.25	450	50	10
CMF3225S501T	500	25	0.30	1000	50	10
CMF3225S601T	600	25	0.20	1000	50	10
CMF3225S801T	800	25	0.35	350	50	10
CMF3225S102T	1000	25	0.35	480	50	10

CMF4532 Series

Part Number	Impedance (Ω @100MHz)	Tolerance(%)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
CMF4532S600T	60	25	0.10	3000	50	10
CMF4532S800T	80	25	0.05	2300	50	10
CMF4532S900T	90	25	0.085	2300	50	10
CMF4532S121T	120	25	0.10	1400	50	10
CMF4532S161T	160	25	0.085	1500	50	10
CMF4532S201T	200	25	0.10	1500	50	10
CMF4532S221T	220	25	0.10	1300	50	10
CMF4532S331T	330	25	0.11	1100	50	10
CMF4532S501T	500	25	0.12	1000	50	10
CMF4532S601T	600	25	0.12	1400	50	10
CMF4532S701T	700	25	0.12	1500	50	10
CMF4532S801T	800	25	0.16	1000	50	10
CMF4532S901T	900	25	0.17	1000	50	10
CMF4532S102T	1000	25	0.18	800	50	10
CMF4532S142T	1400	25	0.20	700	50	10

CMF3225L Series

Part Number	Impedance (Ω @10MHz)		Inductance (μ H@100KHz)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.	+50%,-30%				
CMF3225L110T	300	600	11	0.4	300	50	10
CMF3225L220T	500	1200	22	0.5	250	50	10
CMF3225L510T	1000	2800	51	0.7	200	50	10
CMF3225L101T	2000	5800	100	1.5	150	50	10
CMF3225L201T	5000	9800	200	4.8	70	50	10

CMF4532L Series

Part Number	Impedance (Ω @10MHz)		Inductance (μ H@100KHz)	DCR Max. (Ω)	Irms Max. (mA)	Rated Voltage Max. (Vdc)	IR Min. (M Ω)
	Min.	Typ.	+50%,-30%				
CMF4532L110T	300	600	11	0.6	360	50	10
CMF4532L220T	500	1200	22	1.0	310	50	10
CMF4532L510T	1000	2800	51	1.0	230	50	10
CMF4532L101T	2000	5800	100	2.0	200	50	10
CMF4532L201T	5000	9800	200	4.5	100	50	10

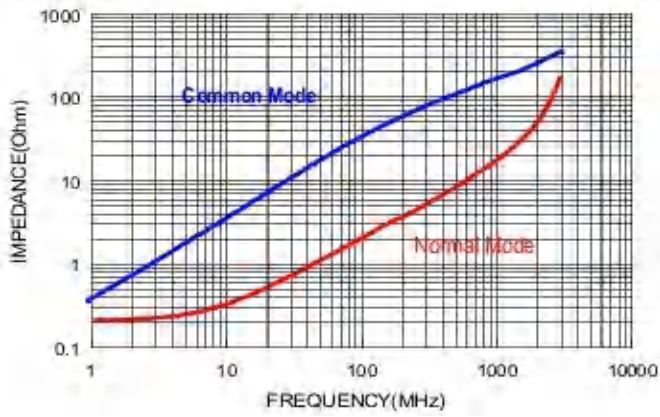
Note:

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

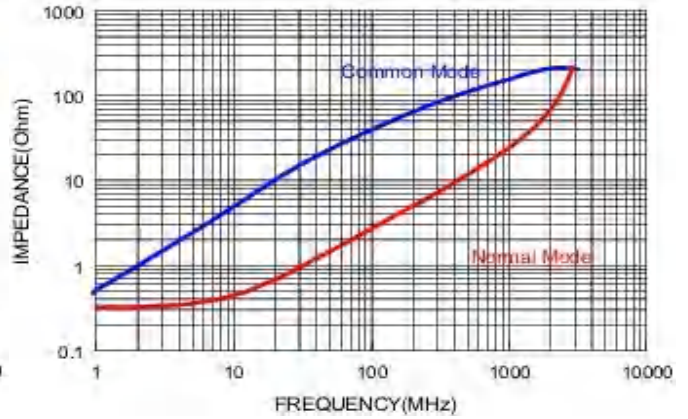
CHARACTERISTICS CURVE

CMF1210 Series

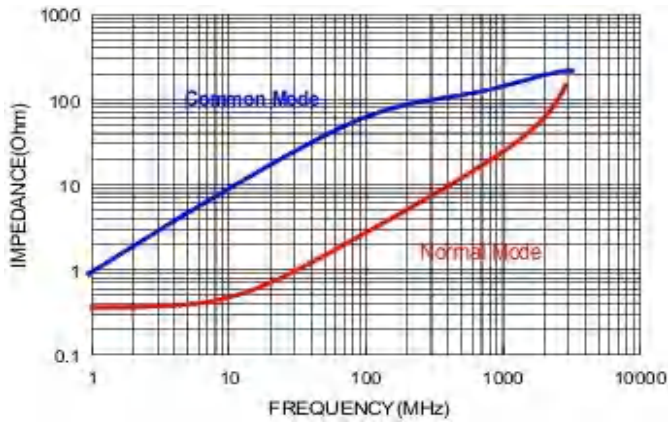
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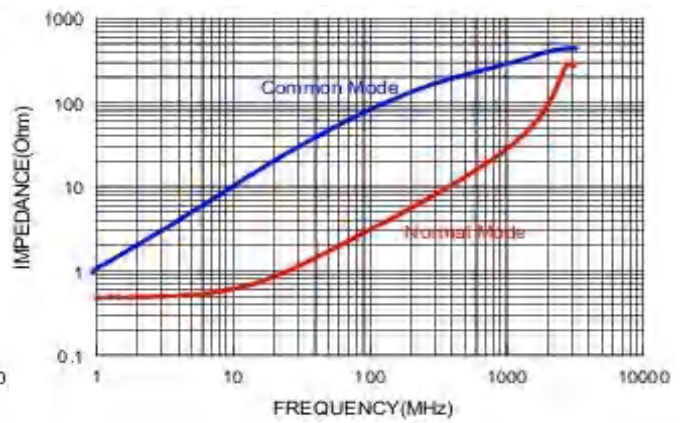
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CMF1210S600T

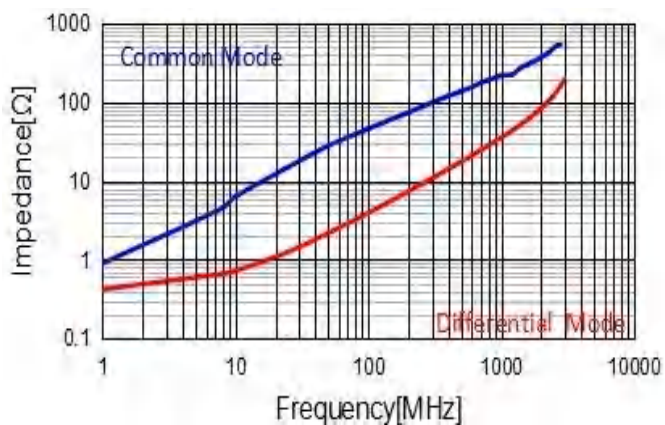


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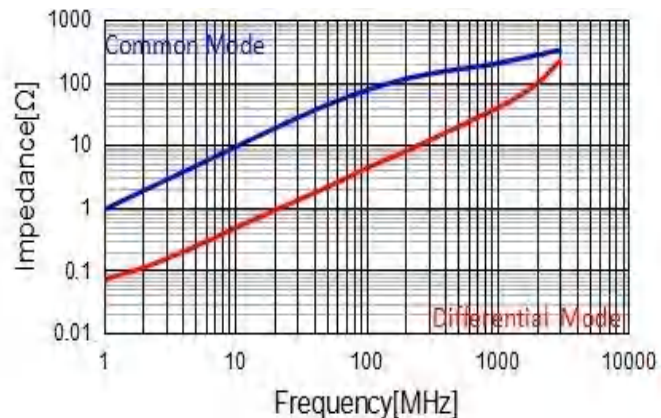


CMF2012 Series

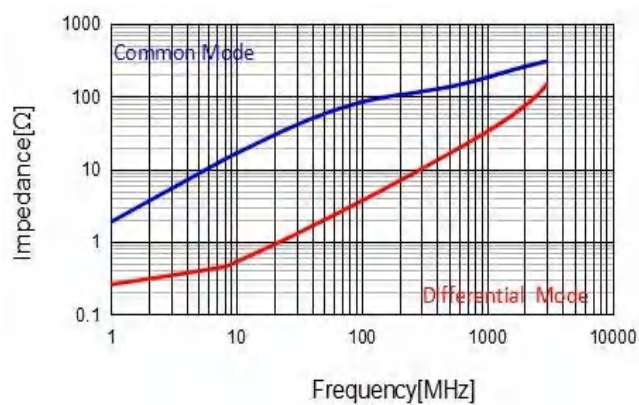
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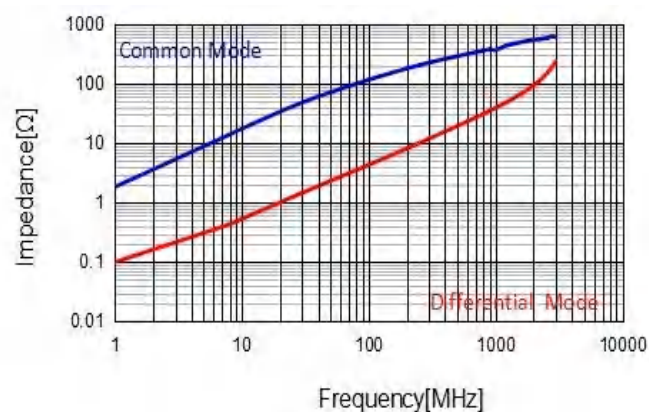
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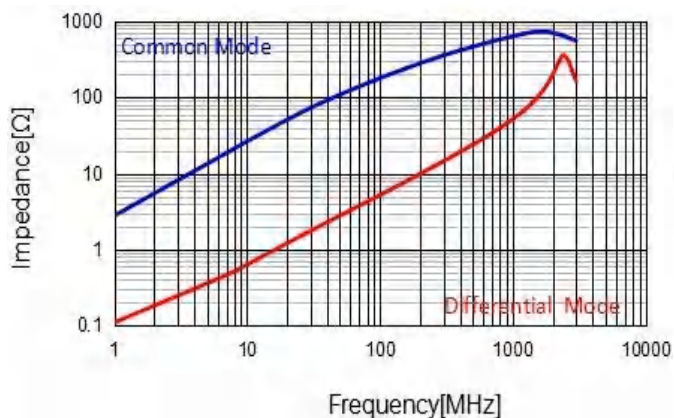
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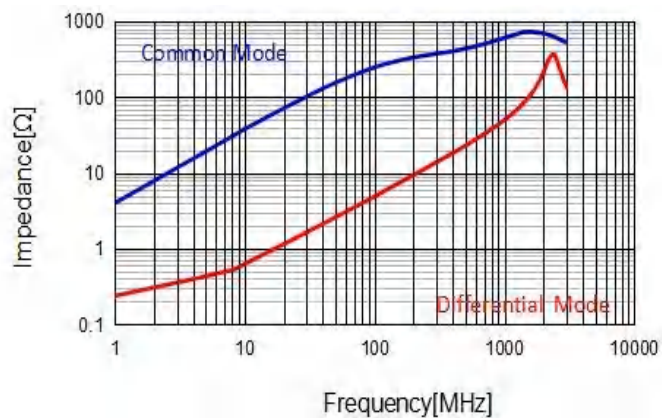
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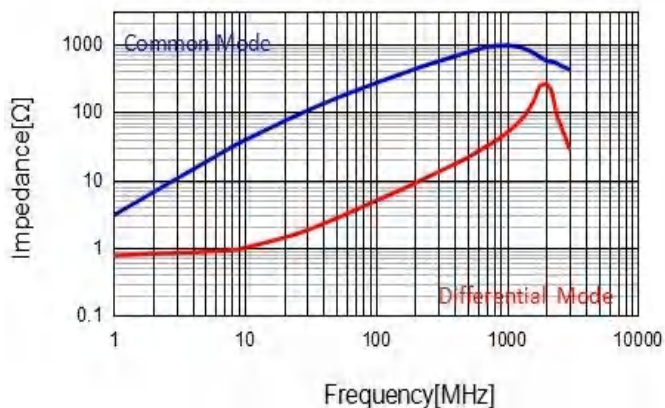
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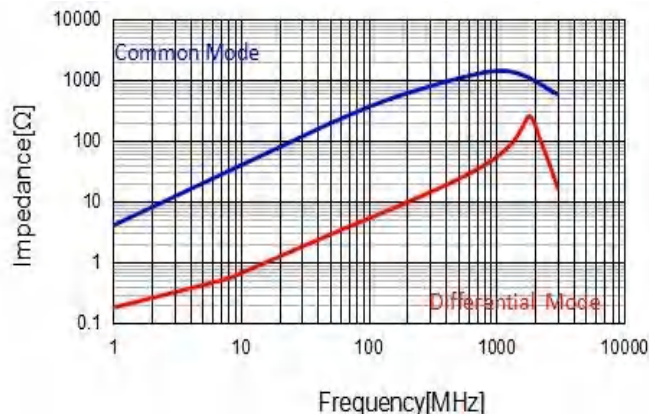
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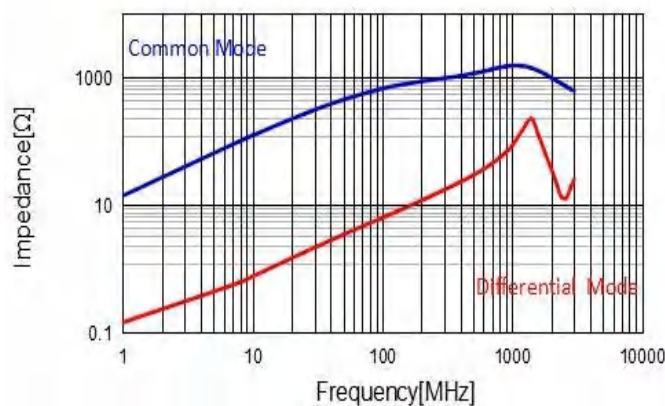
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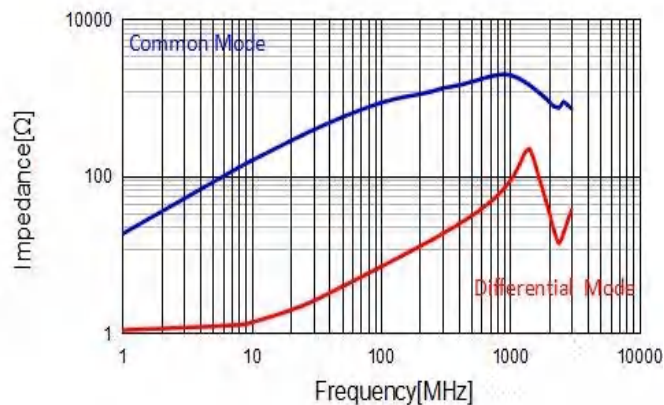
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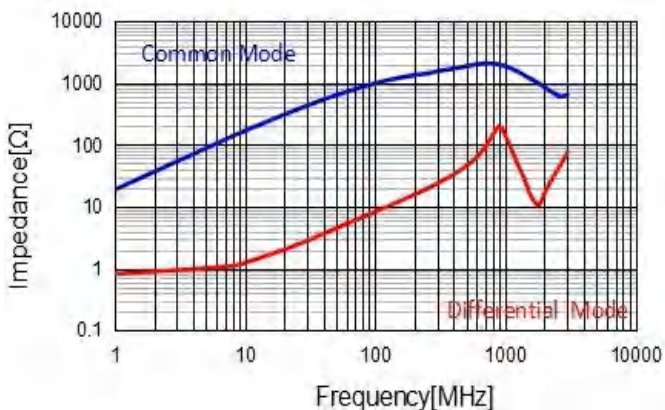
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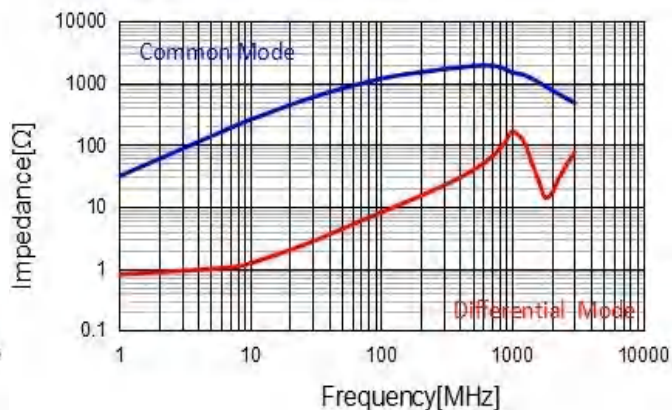
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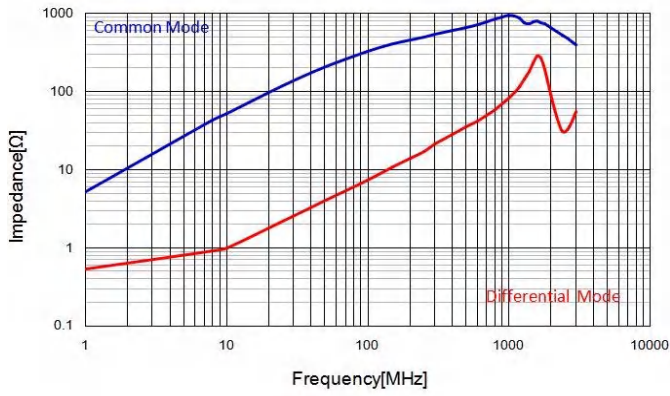


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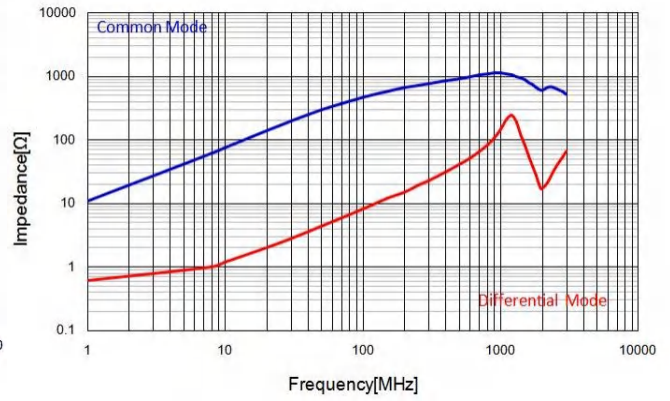


CMF2520 Series

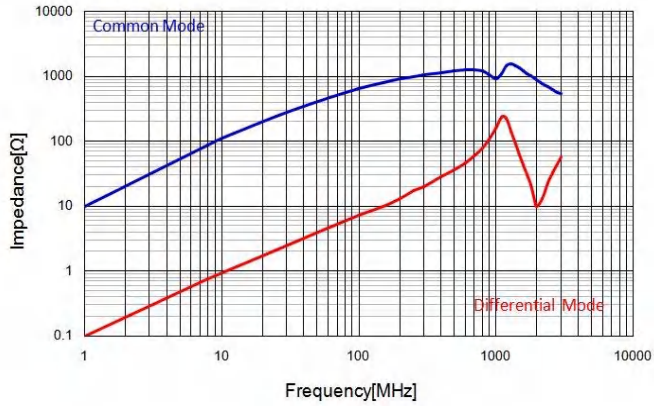
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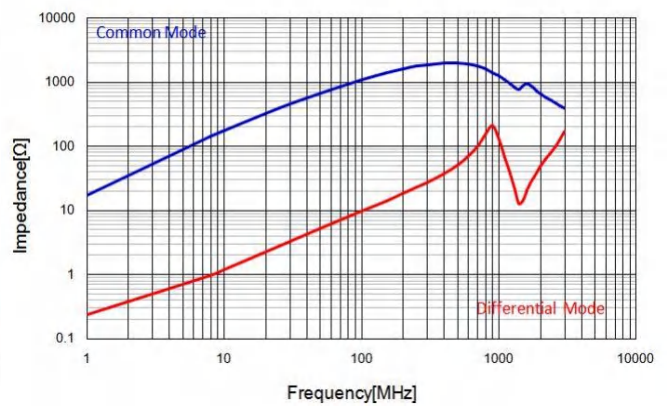
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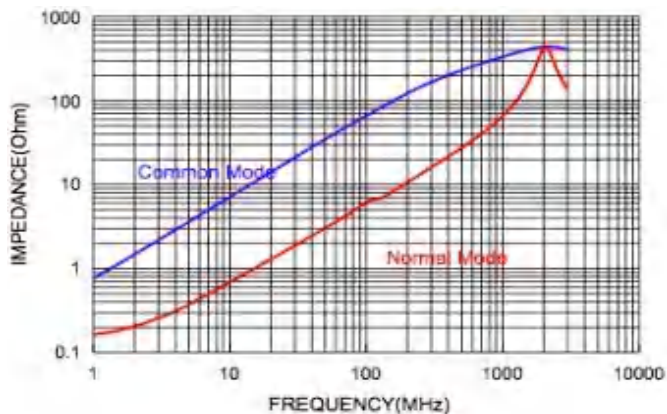


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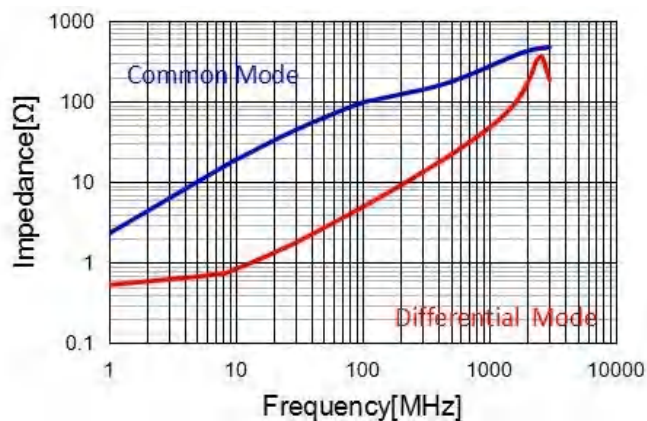


CMF3216 Series

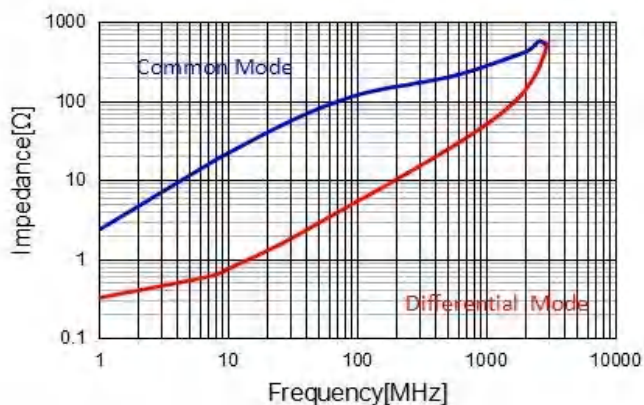
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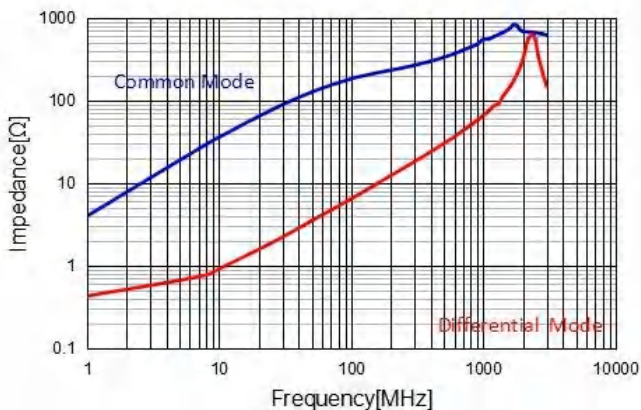
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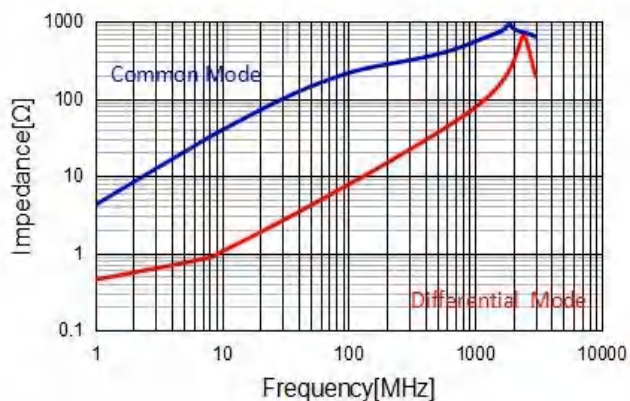
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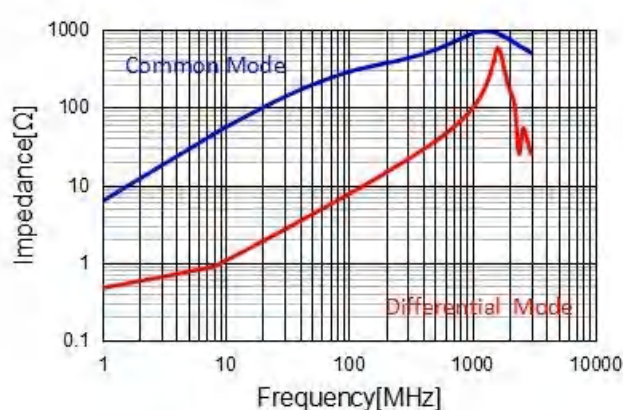
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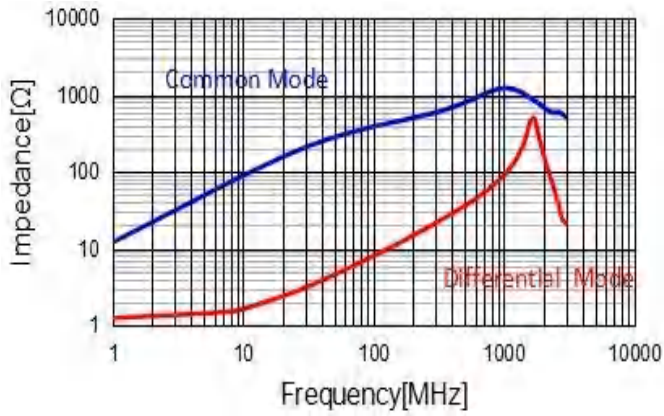
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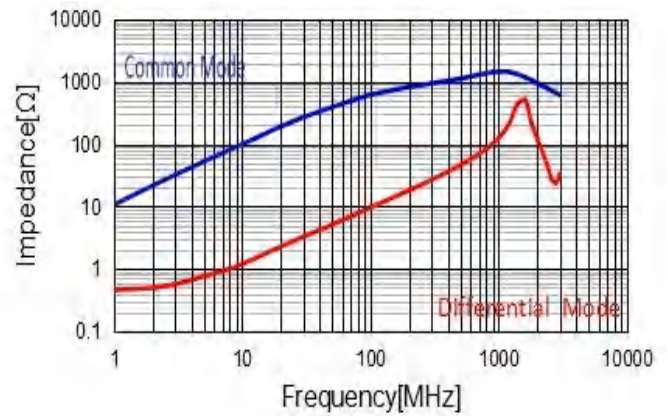
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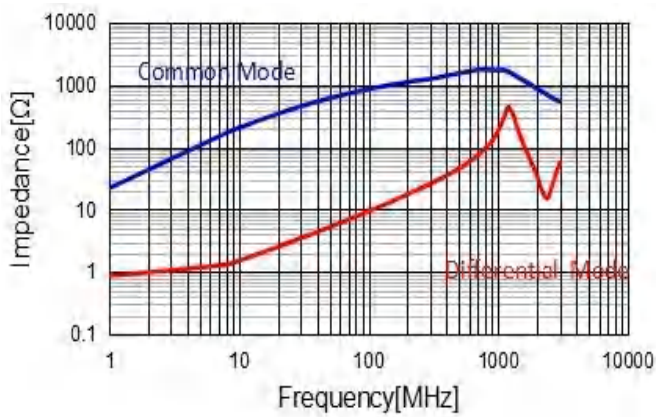
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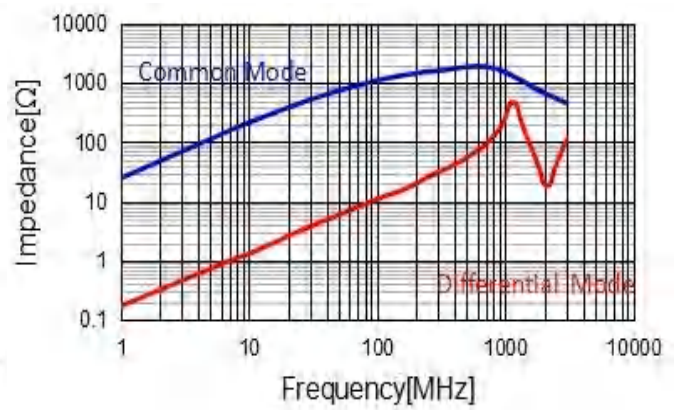
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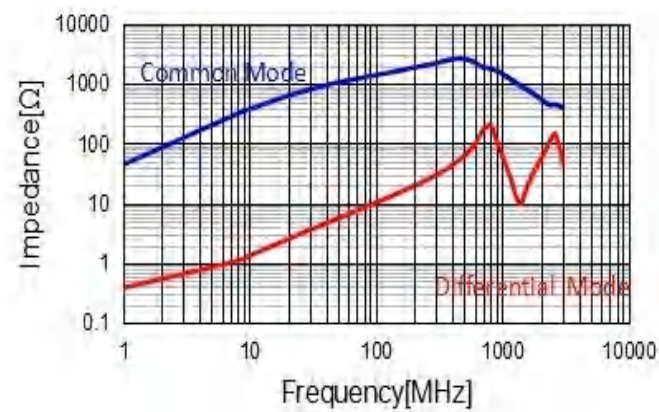
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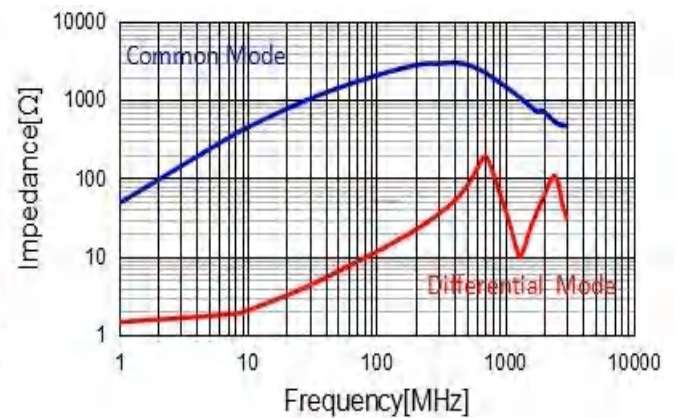
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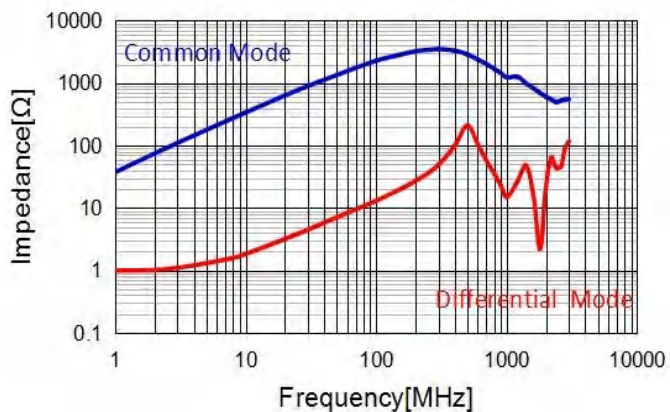
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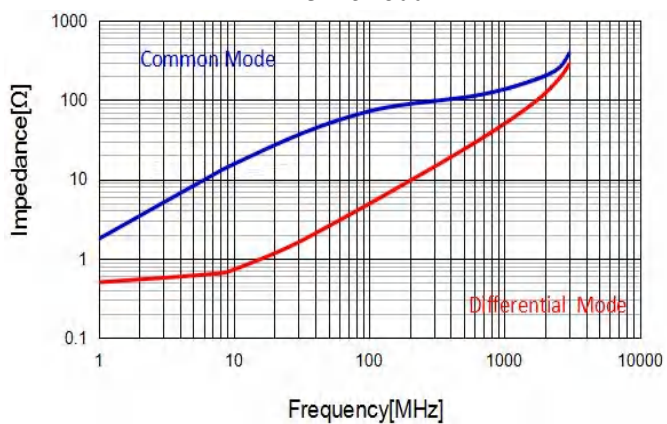


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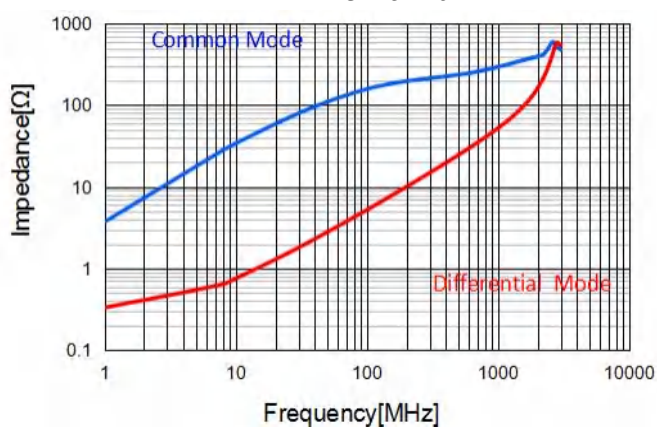


CMF3225 Series

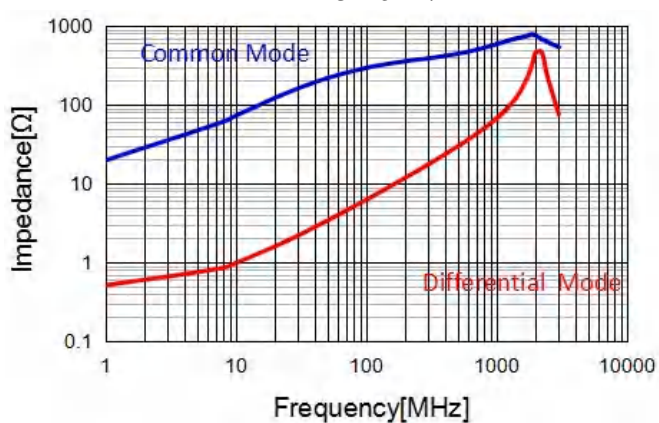
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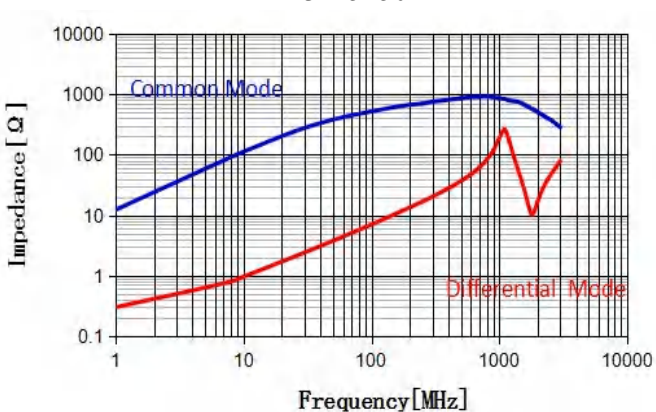
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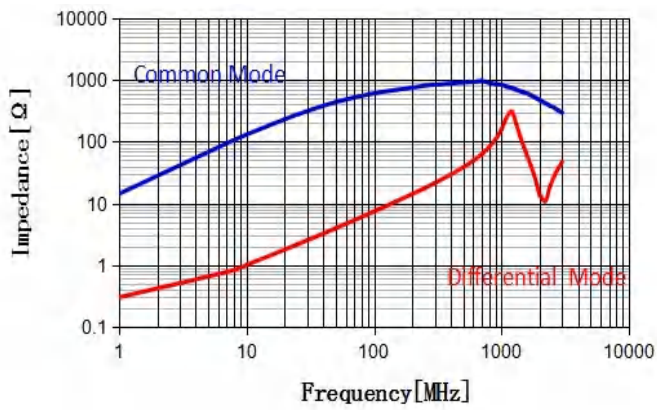
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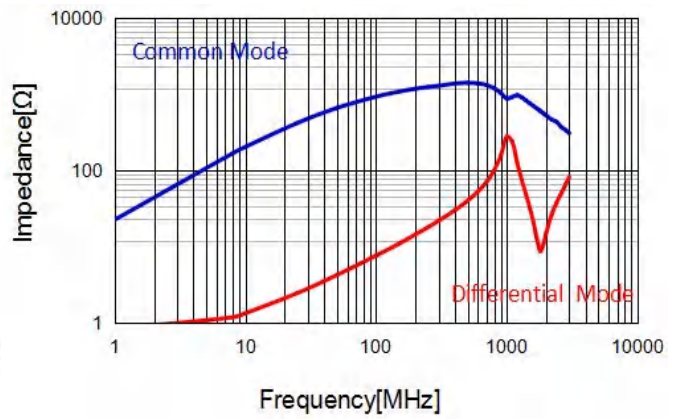
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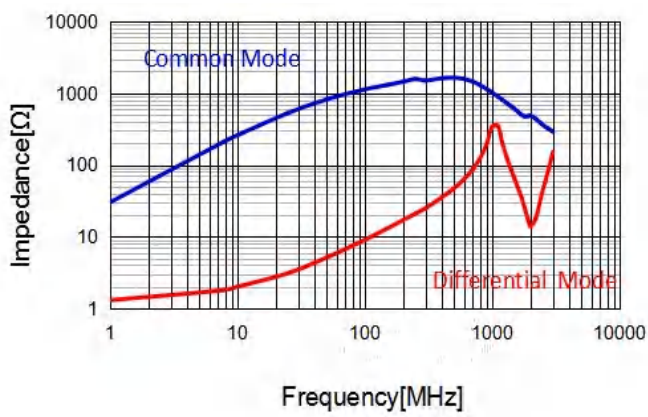
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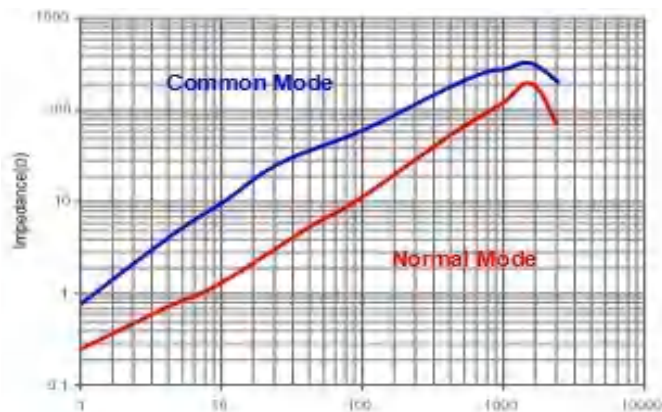


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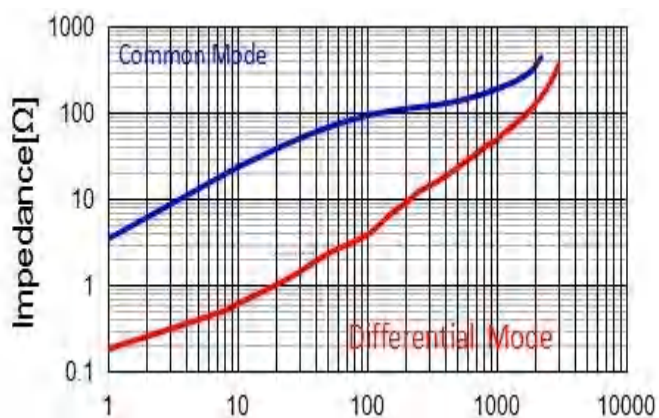


CMF4532 Series

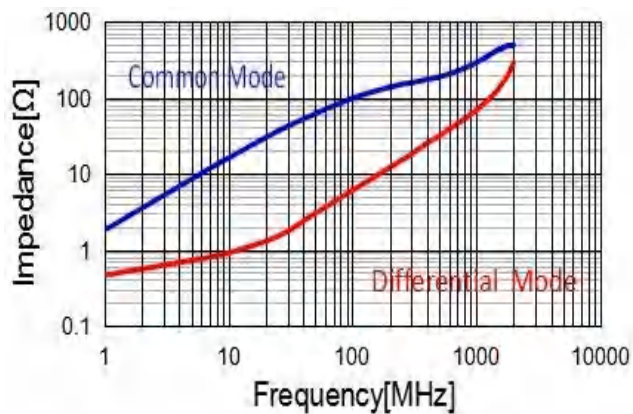
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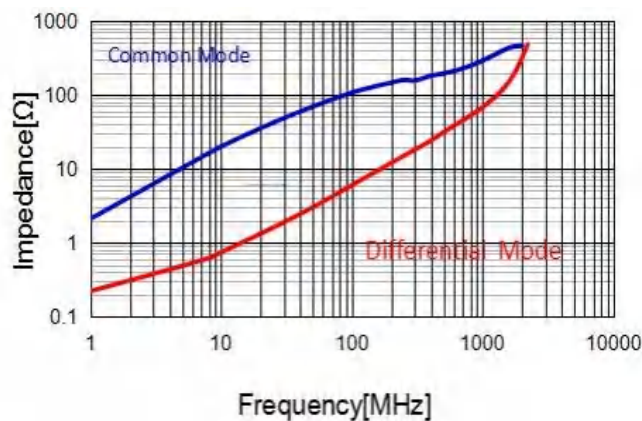
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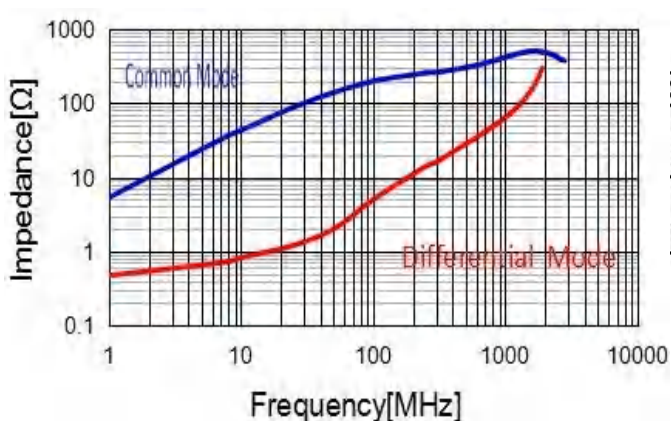
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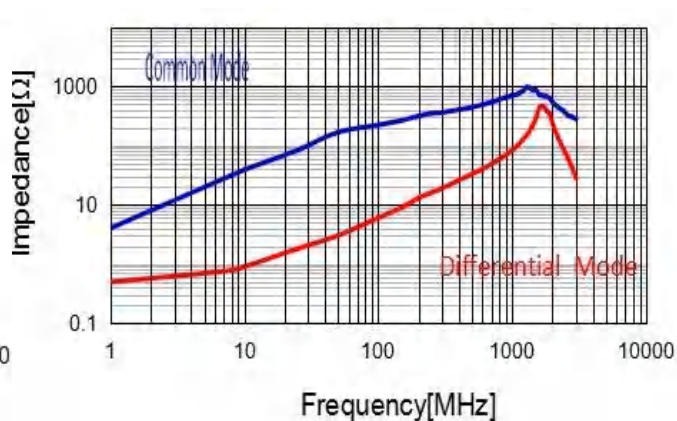
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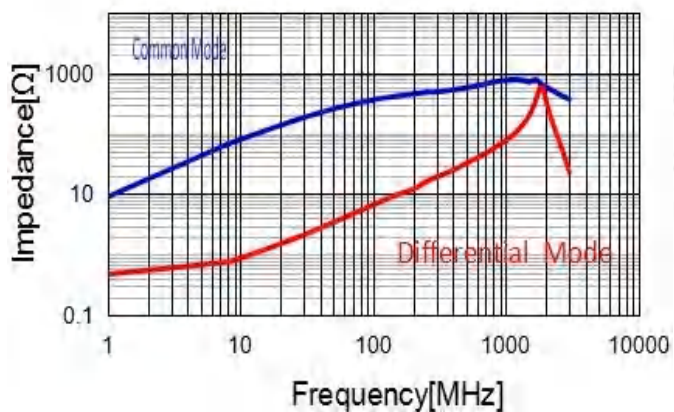
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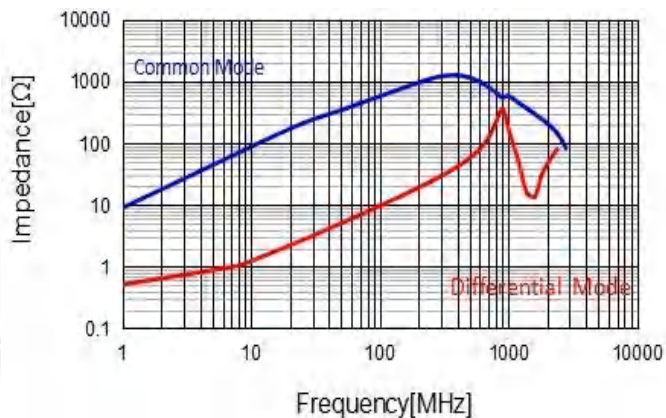
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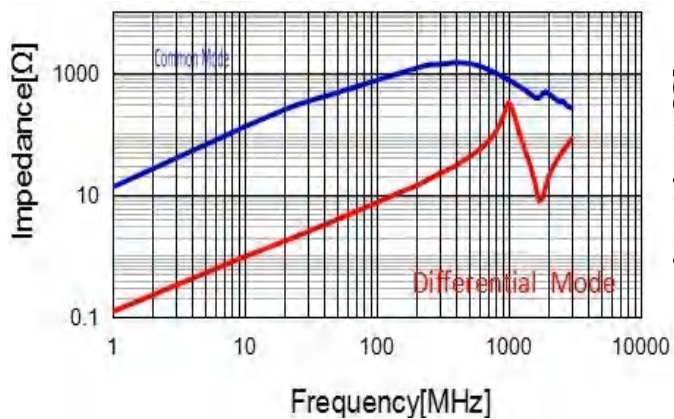
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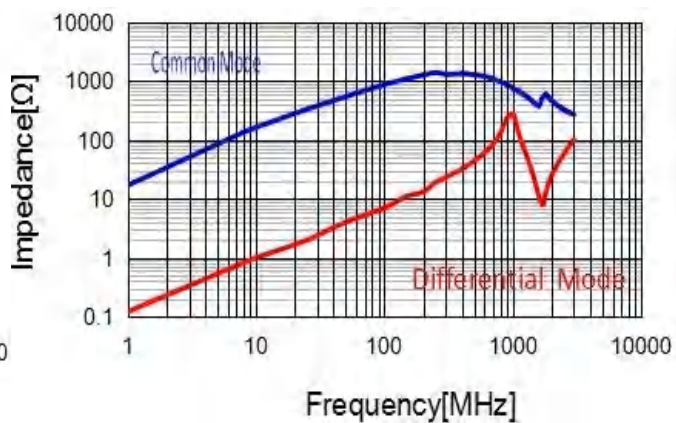
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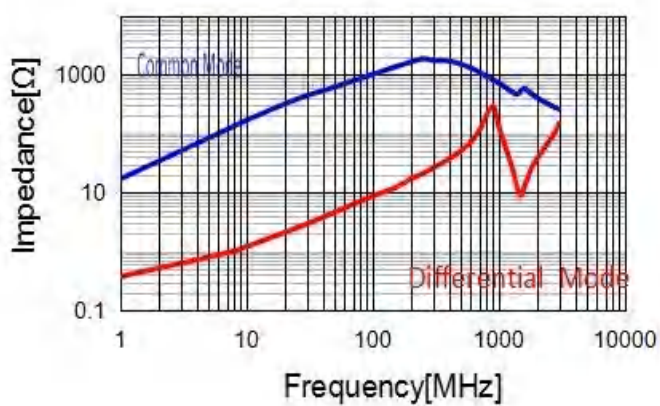
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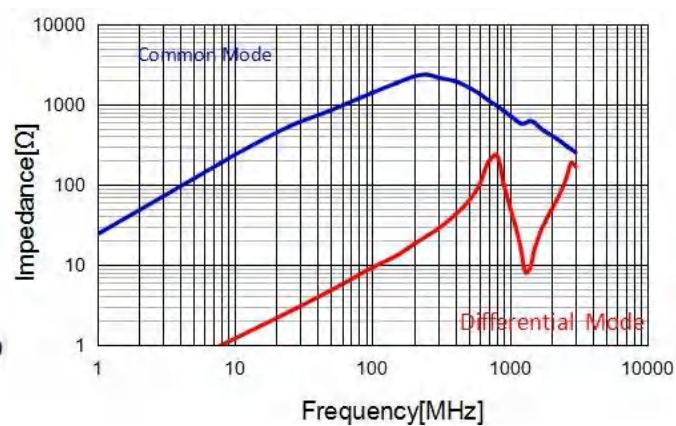
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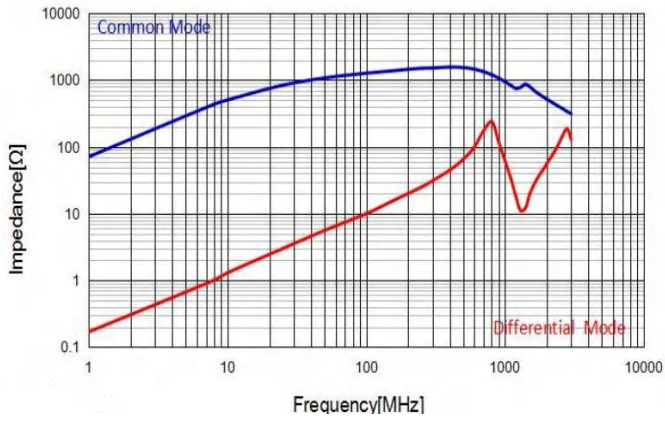


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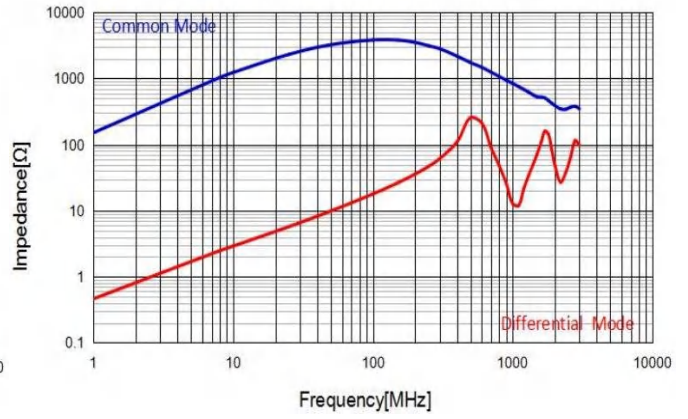


CMF3225L Series

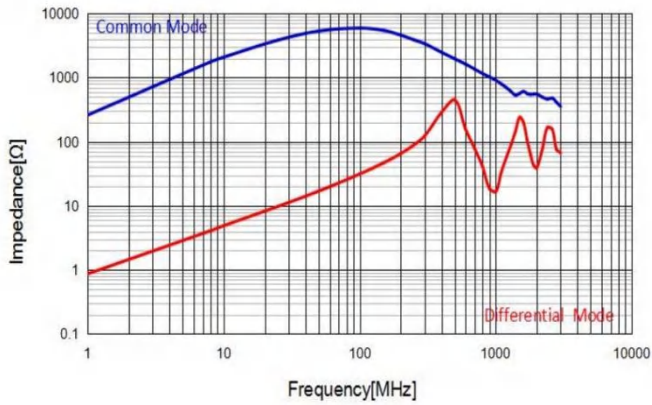
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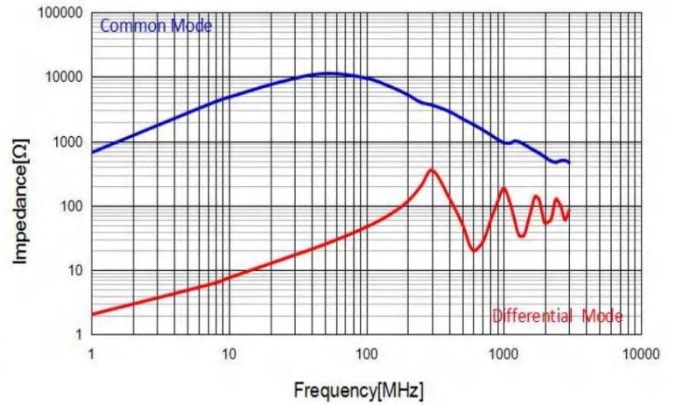
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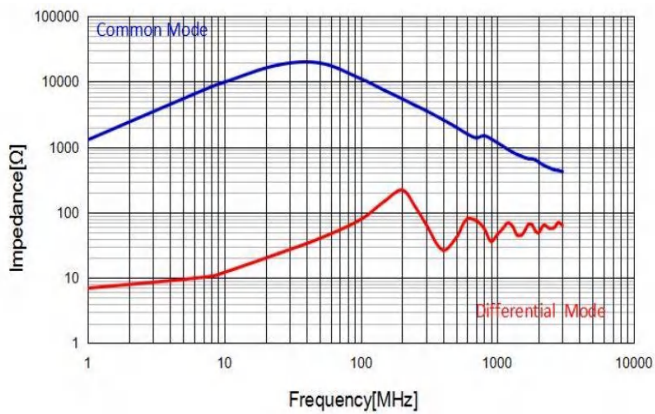
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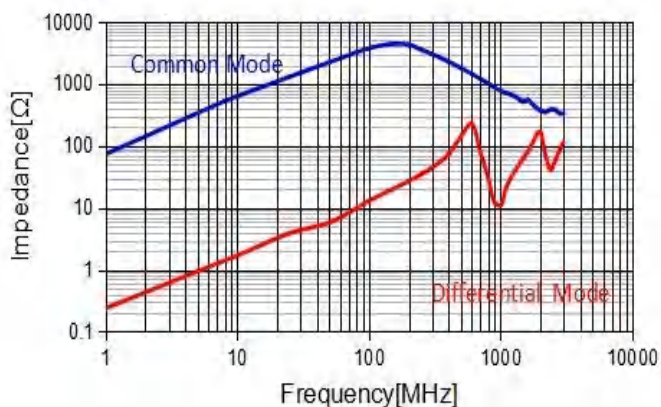


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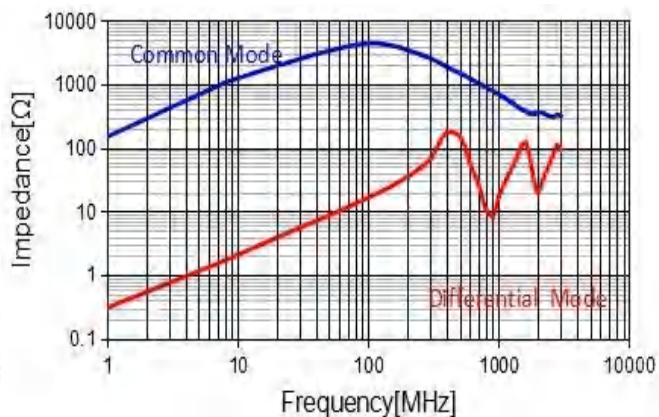


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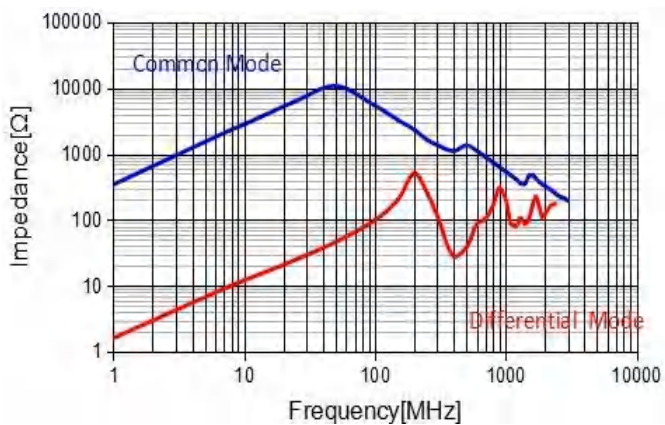
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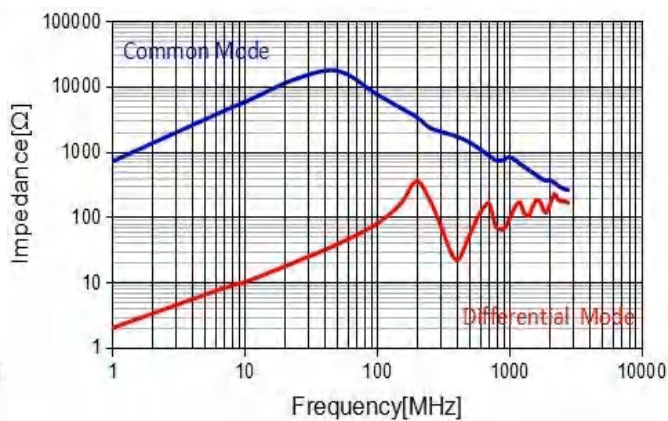
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