

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.

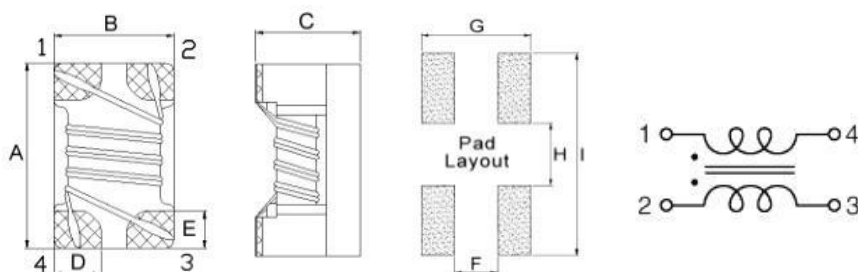
PRODUCT IDENTIFICATION

CMF 2012 S 900 T

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

- (1) Series name
- (2) Product dimensions
- (3) Feature Type(S:Standard)
- (4) Impedance Value for S Code(100:10Ω, 101:100Ω, 102:1000Ω)
Inductance Value for L Code(1R0:1.0μH, 100:10μH, 101:100μH)
- (5) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS



Unit:mm

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

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
CMF3225H900T	90	25	0.06	3.0	50	10
CMF3225H201T	200	25	0.08	2.0	50	10
CMF3225H501T	500	25	0.08	2.0	50	10
CMF3225H102T	1000	25	0.10	1.5	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

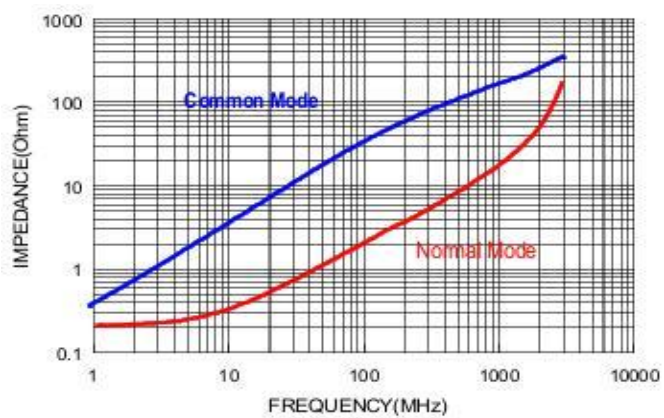
Note:

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

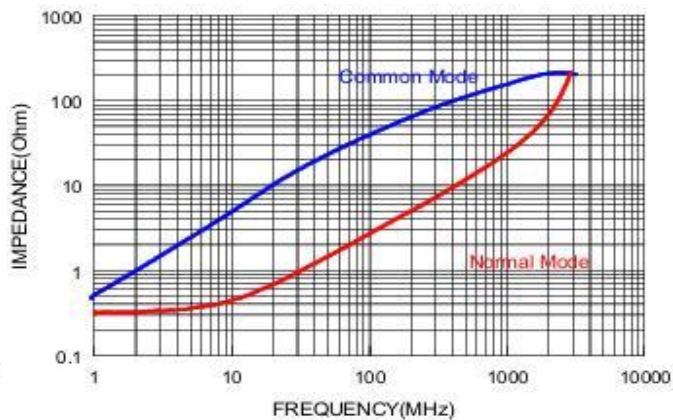
CHARACTERISTICS CURVE

CMF1210 Series

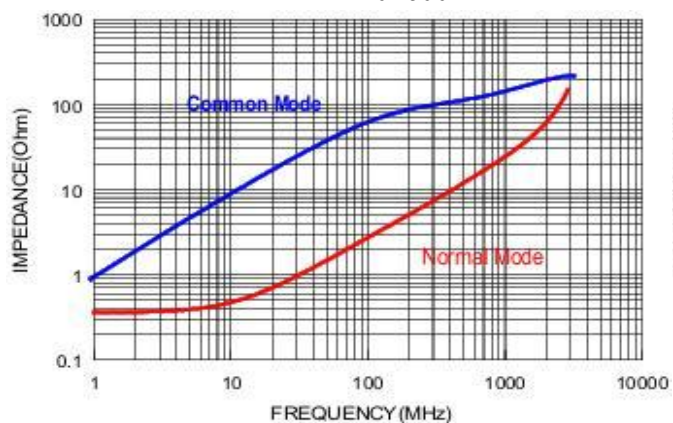
CMF1210S220T



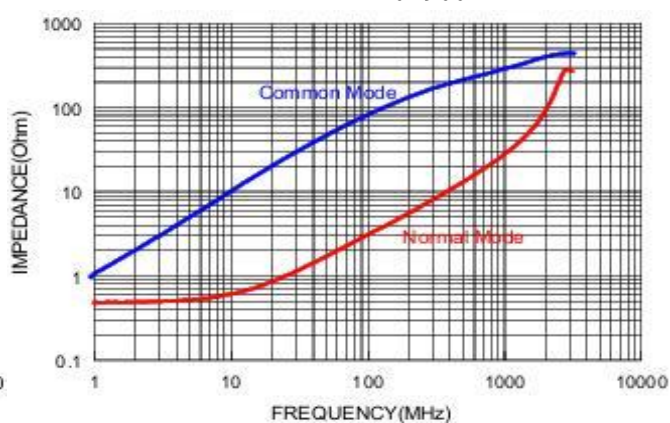
CMF1210S500T



CMF1210S600T

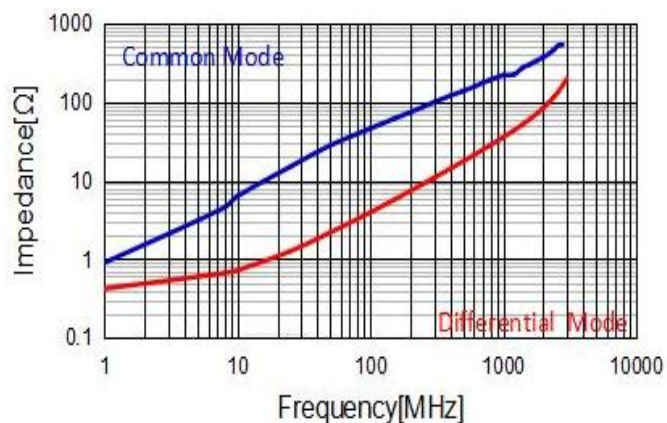


CMF1210S900T

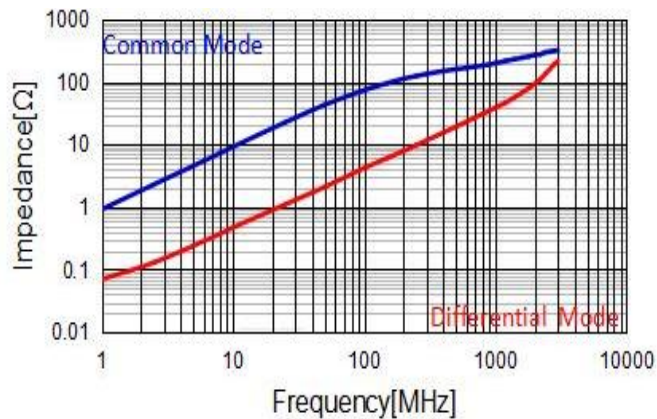


CMF2012 Series

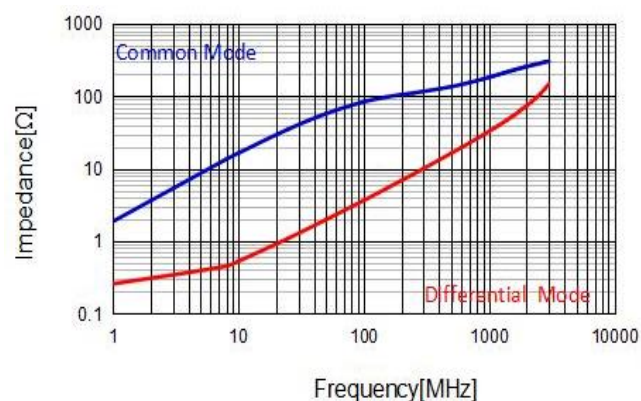
CMF2012S500T



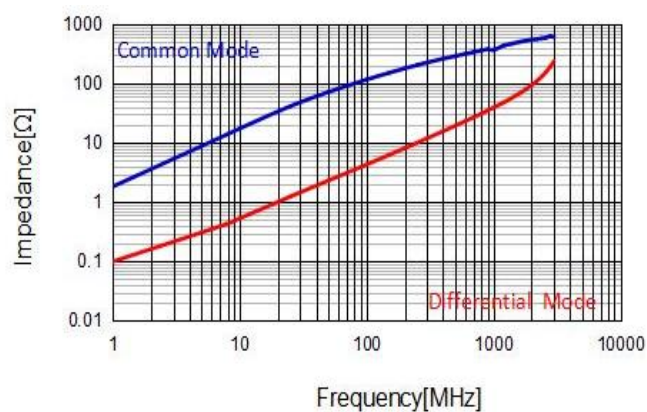
CMF2012S670T



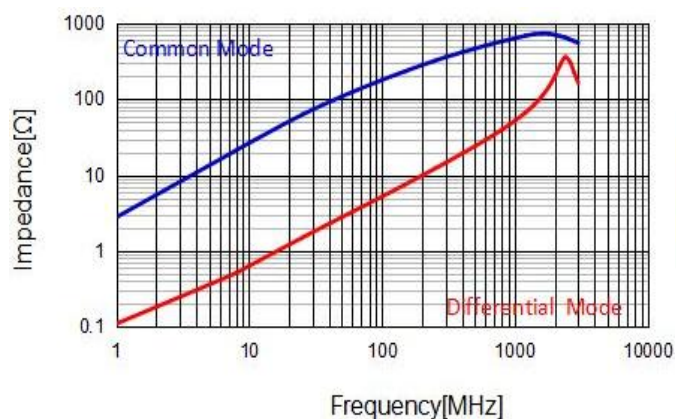
CMF2012S900T



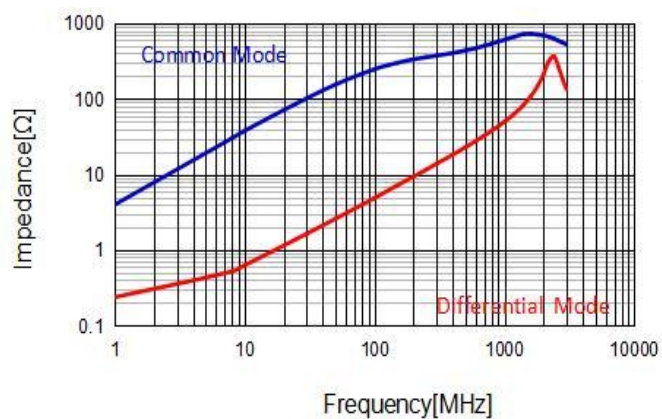
CMF2012S121T



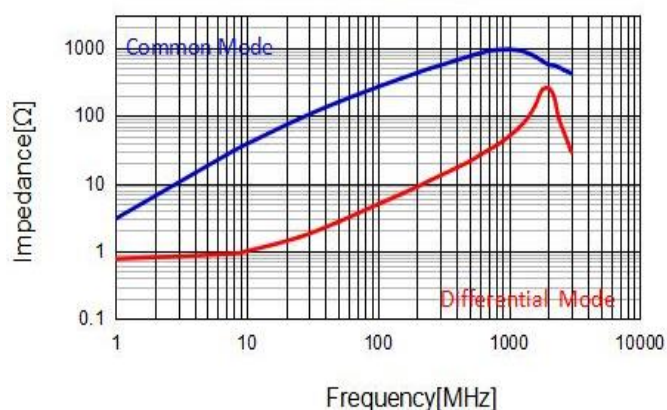
CMF2012S181T



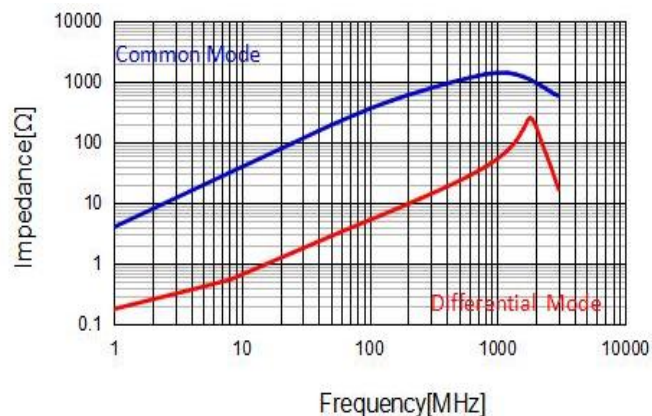
CMF2012S221T



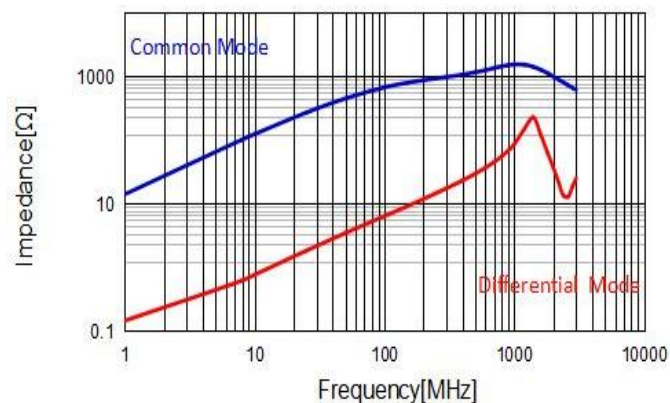
CMF2012S261T



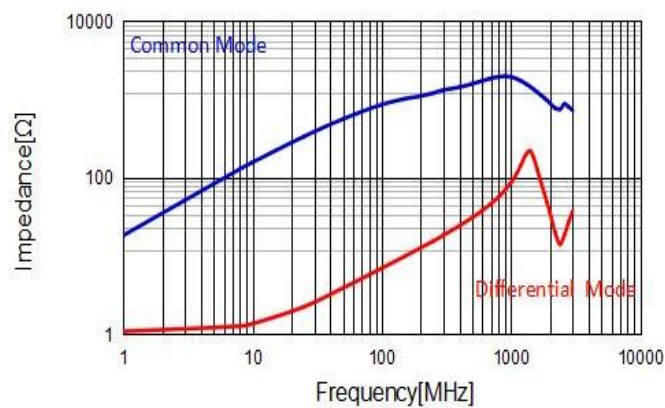
CMF2012S361T



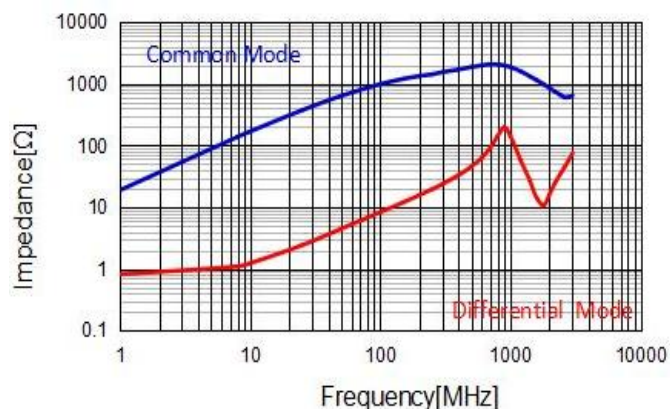
CMF2012S601T



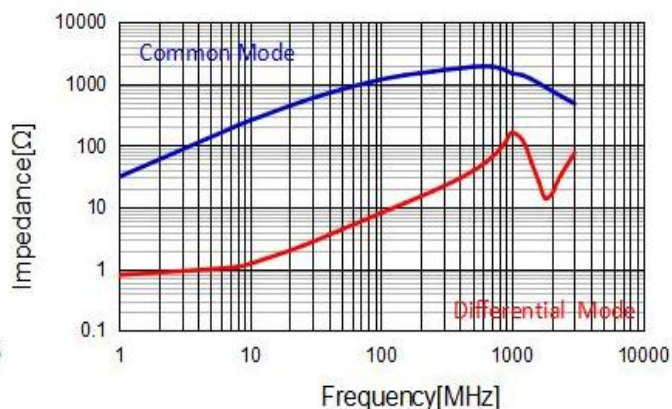
CMF2012S801T



CMF2012S901T

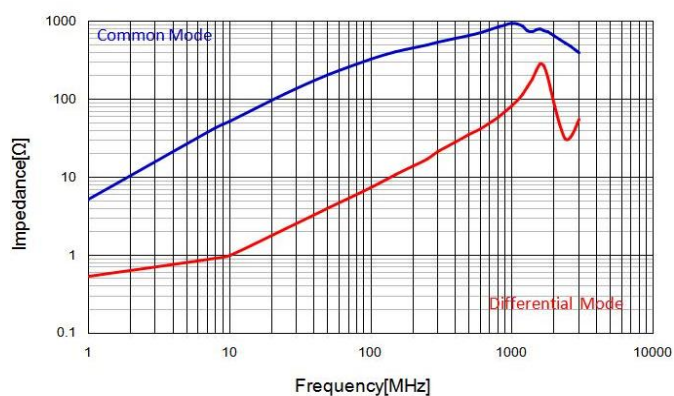


CMF2012S102T

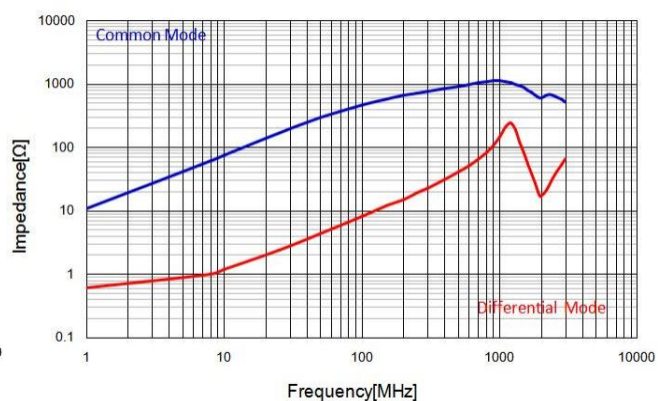


CMF2520 Series

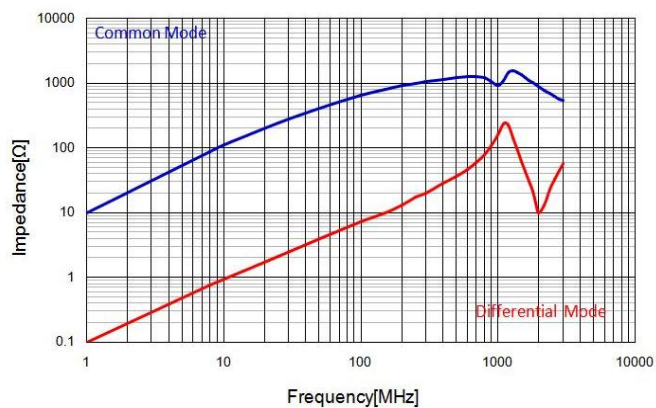
CMF2520S301T



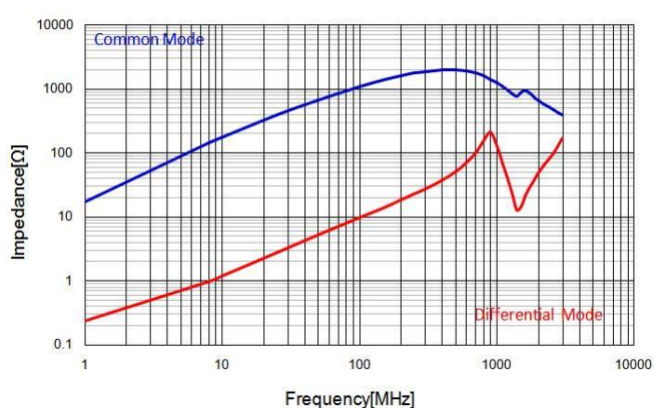
CMF2520S451T



CMF2520S601T

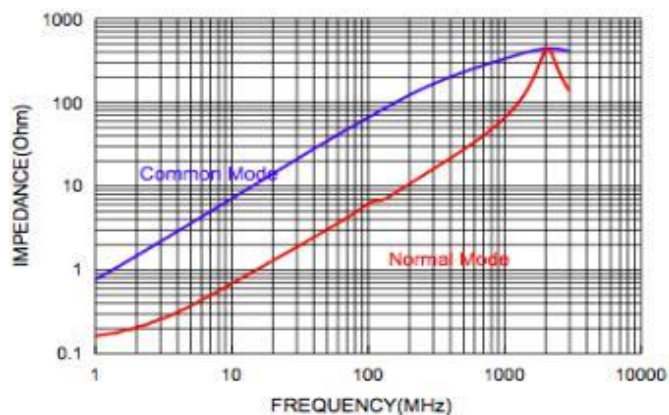


CMF2520S102T

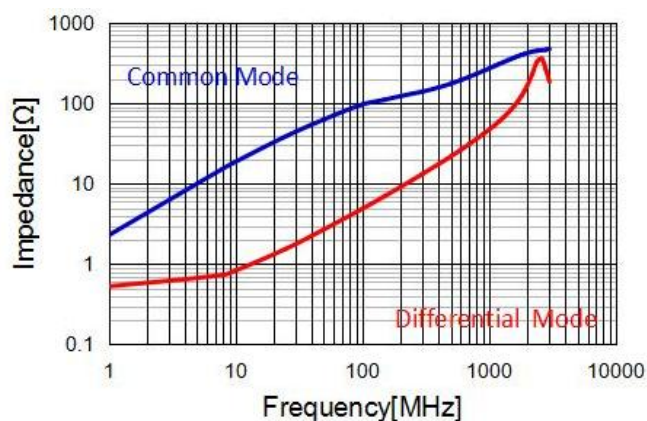


CMF3216 Series

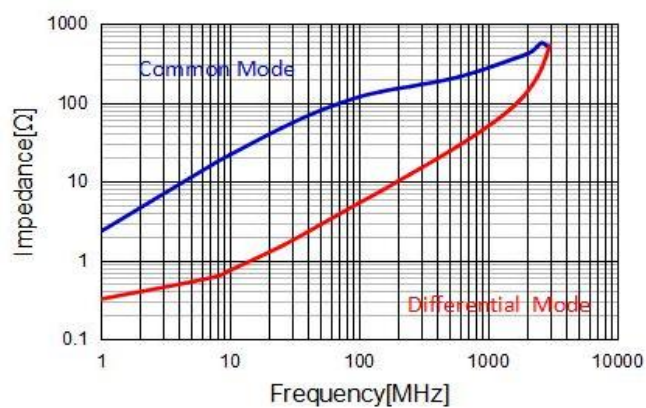
CMF3216S600T



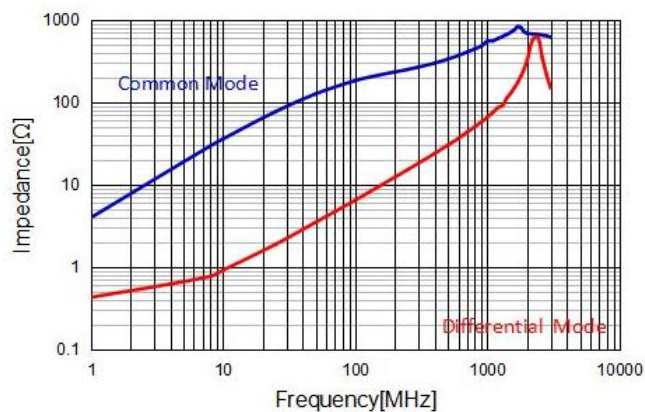
CMF3216S900T



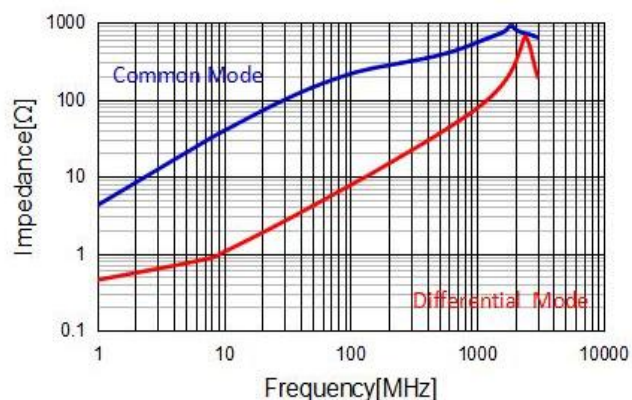
CMF3216S121T



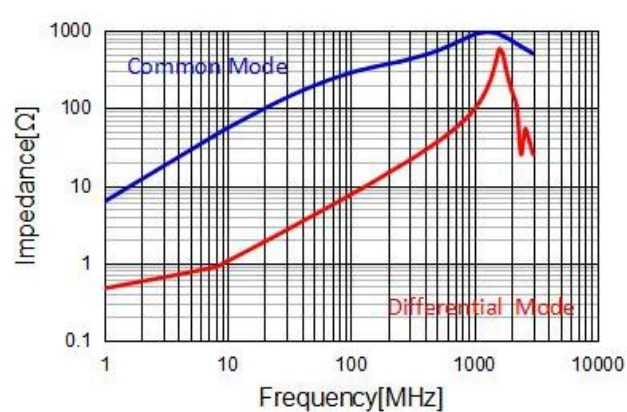
CMF3216S161T



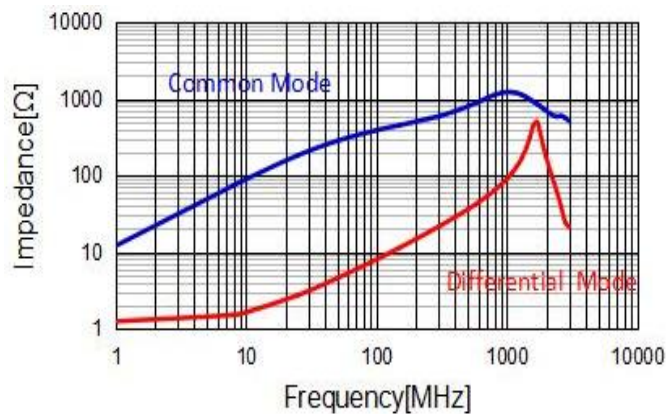
CMF3216S221T



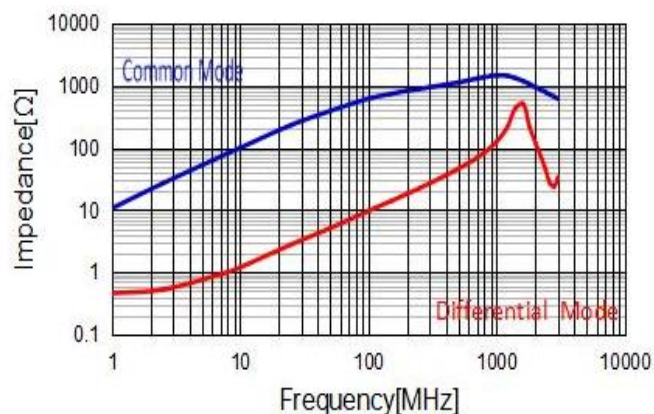
CMF3216S261T



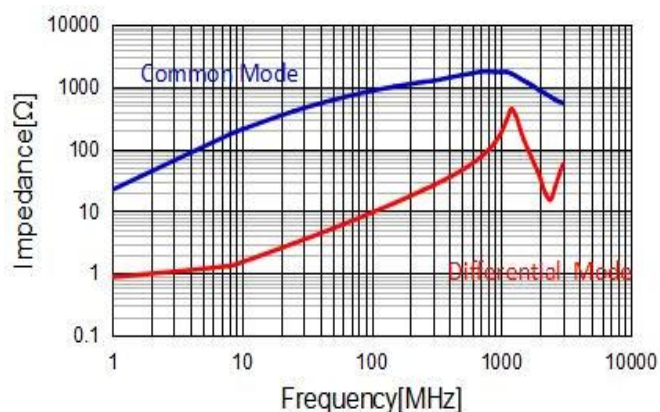
CMF3216S361T



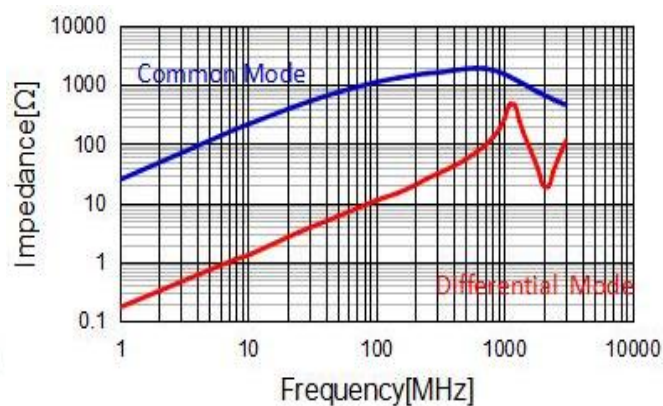
CMF3216S601T



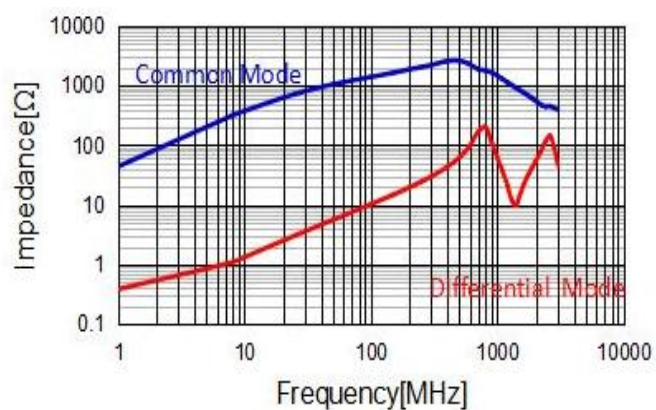
CMF3216S801T



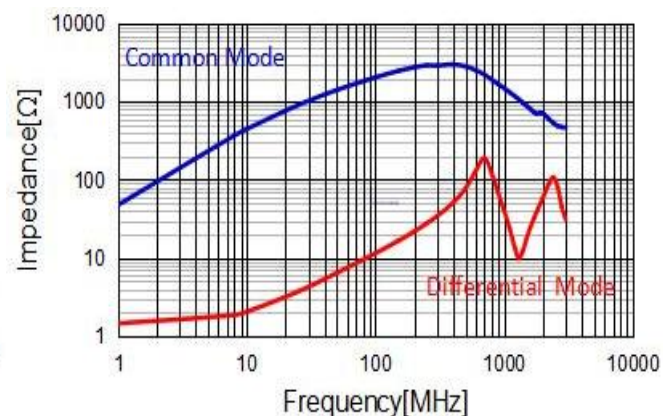
CMF3216S102T



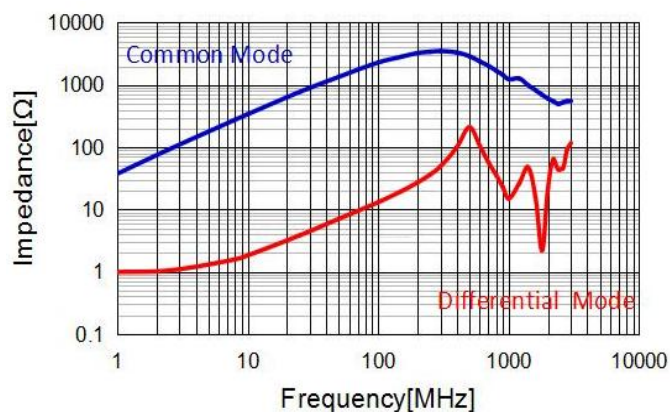
CMF3216S142T



CMF3216S202T

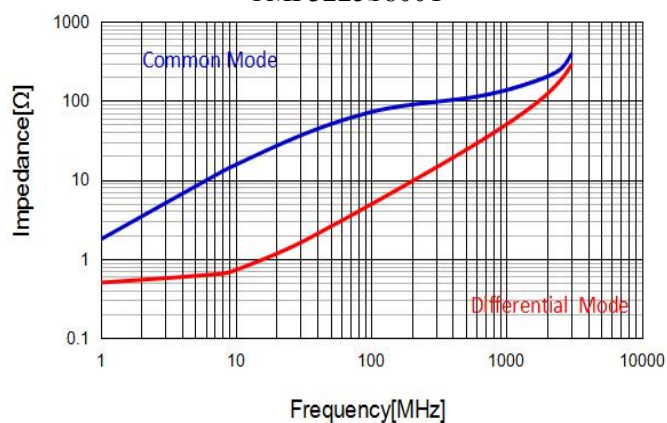


CMF3216S222T

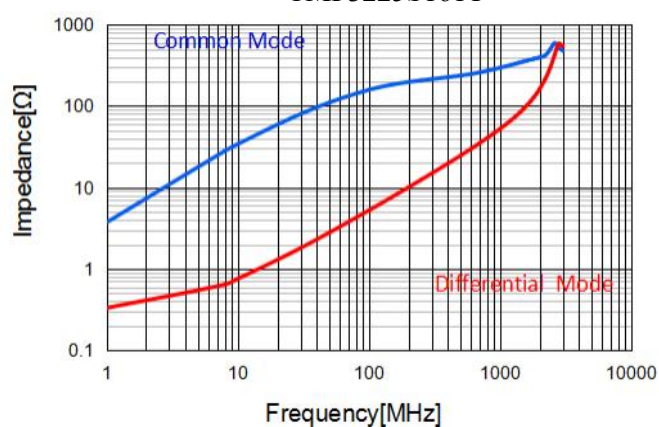


CMF3225 Series

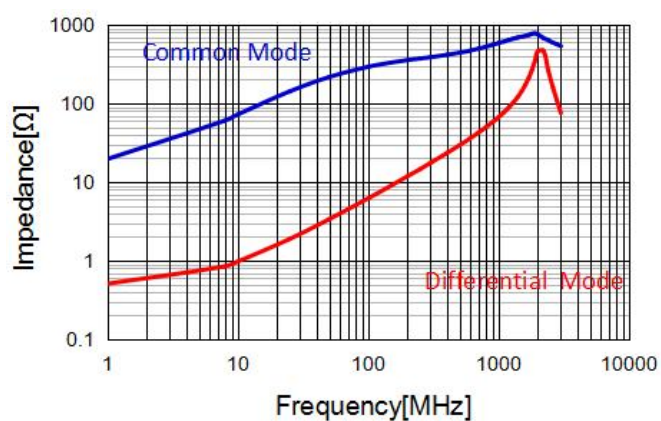
CMF3225S800T



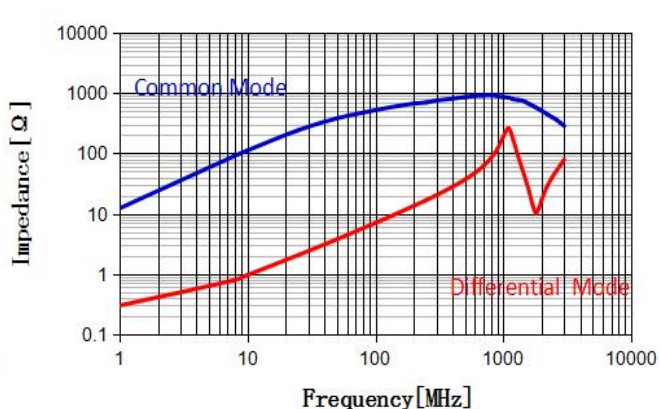
CMF3225S161T



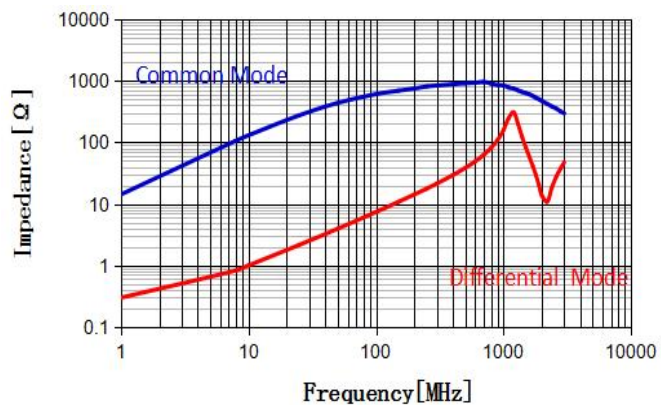
CMF3225S271T



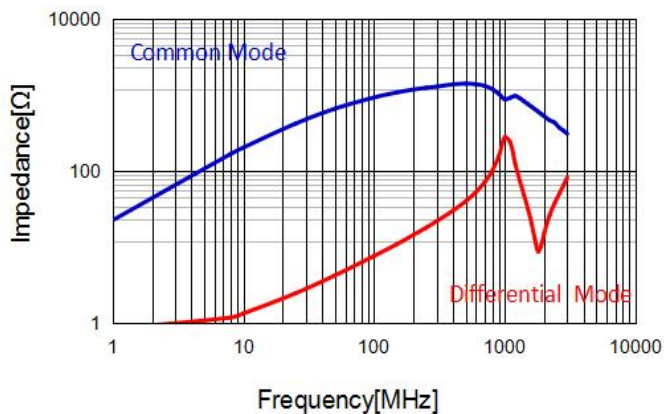
CMF3225S501T



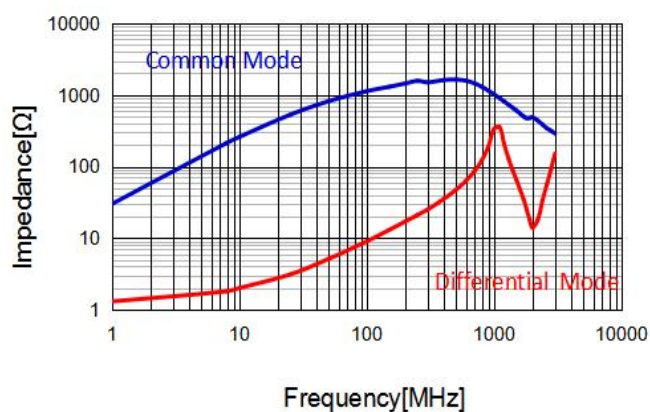
CMF3225S601T



CMF3225S801T

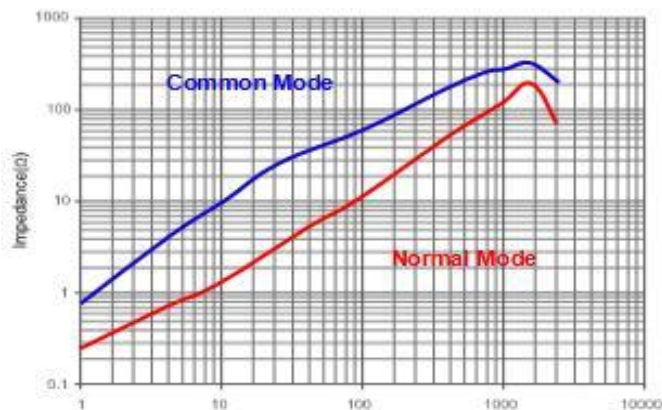


CMF3225S102T

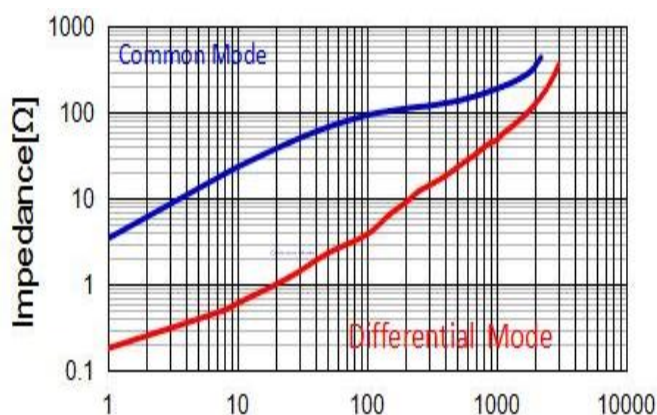


CMF4532 Series

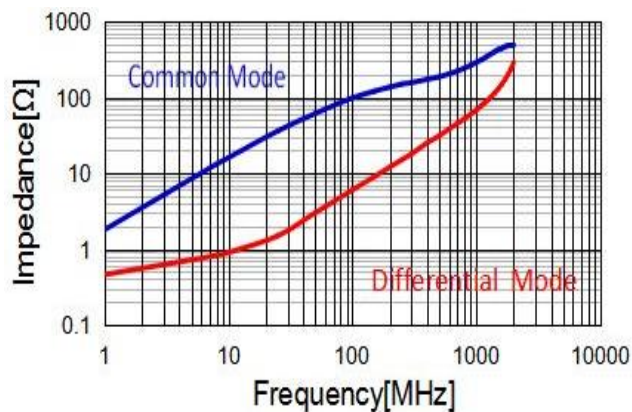
CMF4532S600T



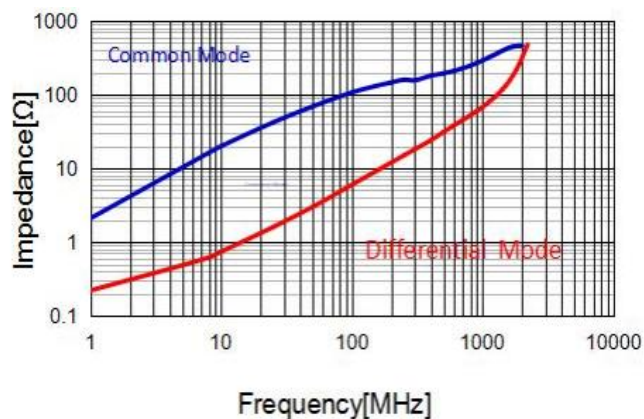
CMF4532S800T



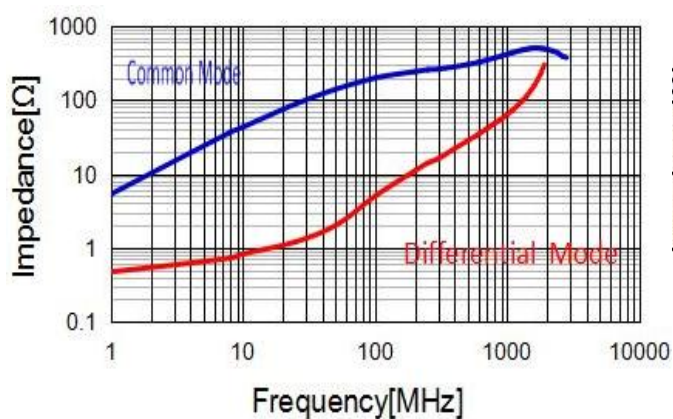
CMF4532S900T



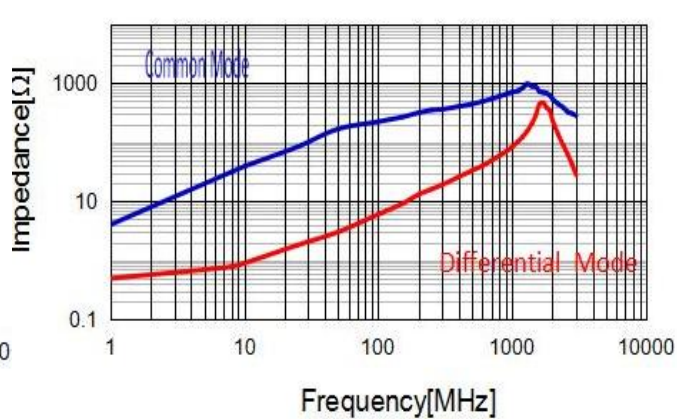
CMF4532S121T



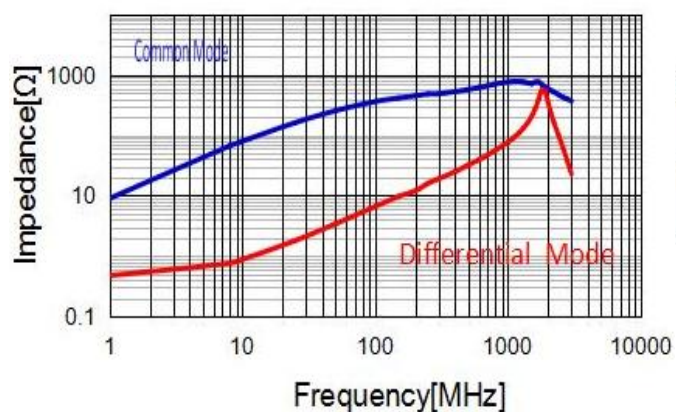
CMF4532S201T



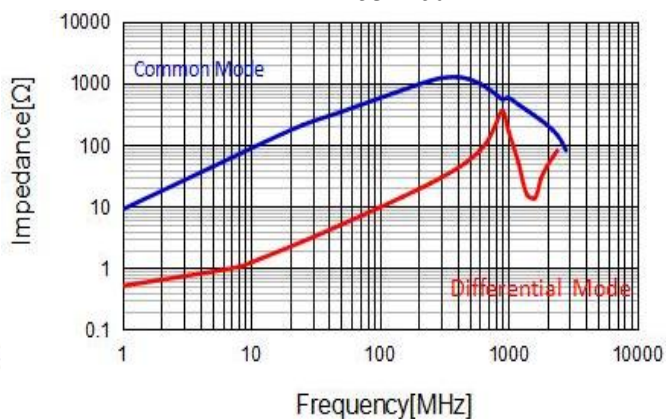
CMF4532S221T



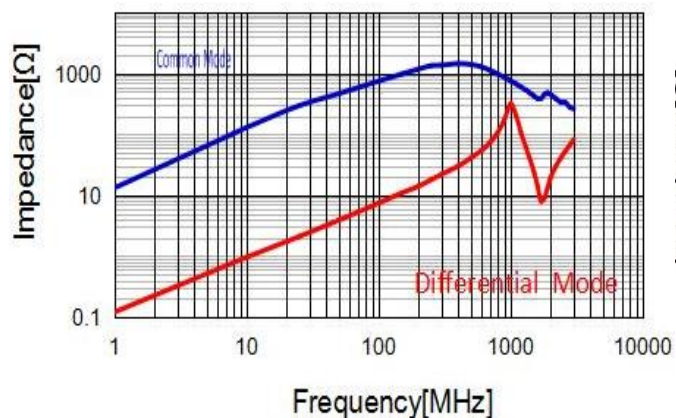
CMF4532S331T



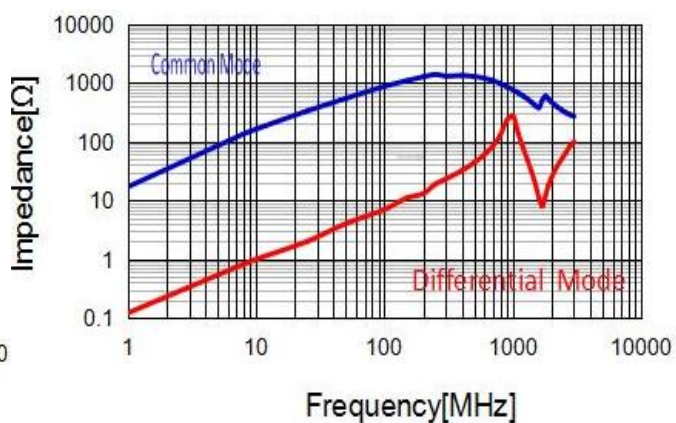
CMF4532S601T



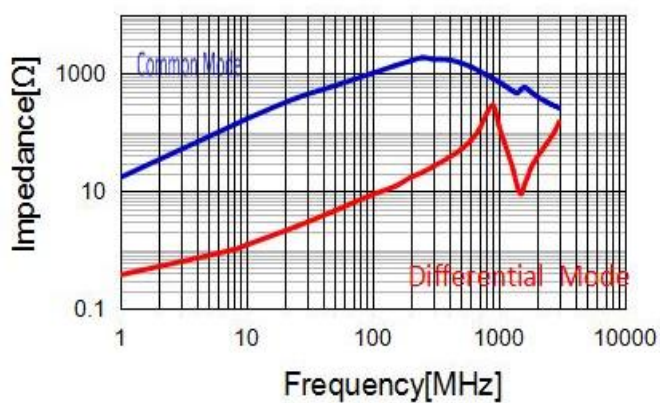
CMF4532S701T



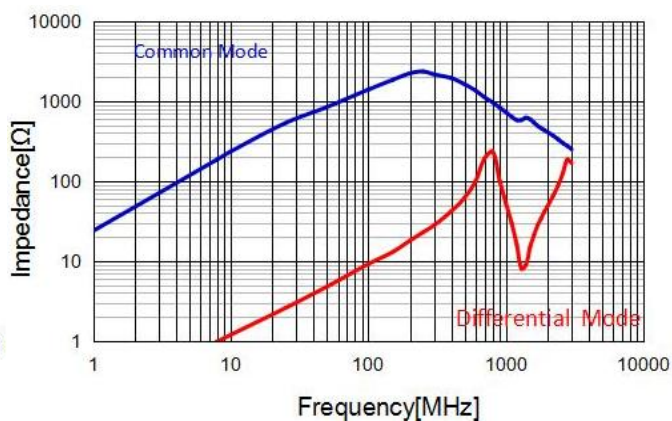
CMF4532S801T



CMF4532S102T

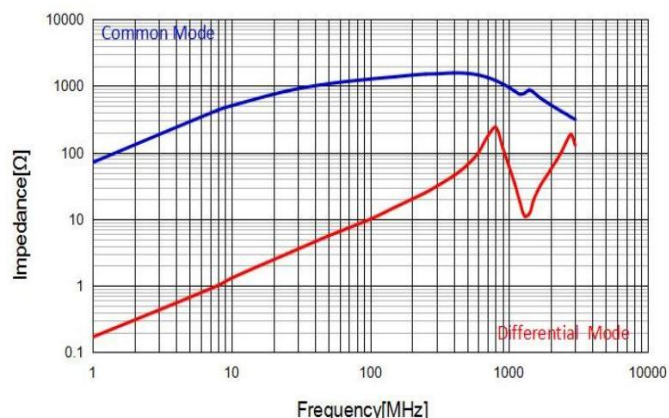


CMF4532S142T

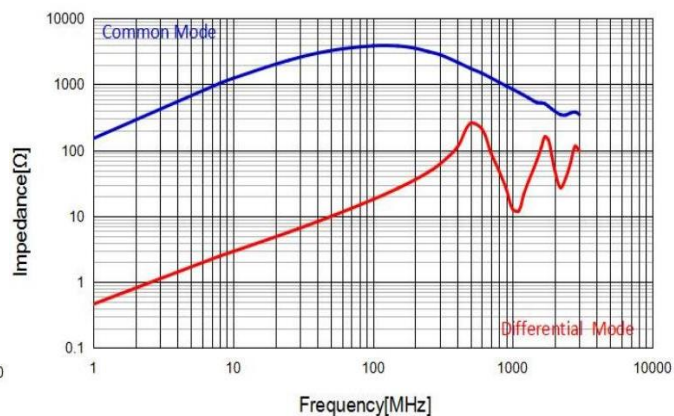


CMF3225L Series

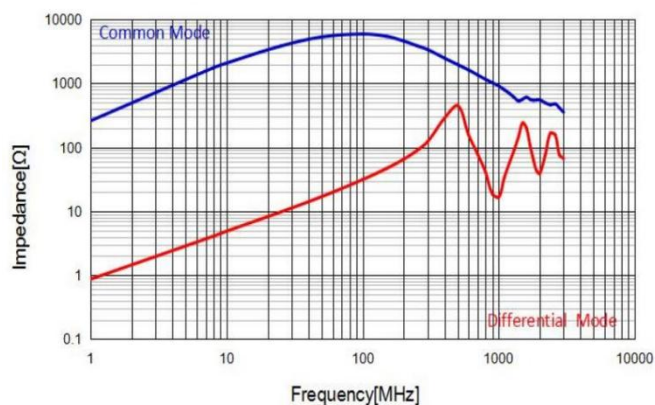
CMF3225L110T



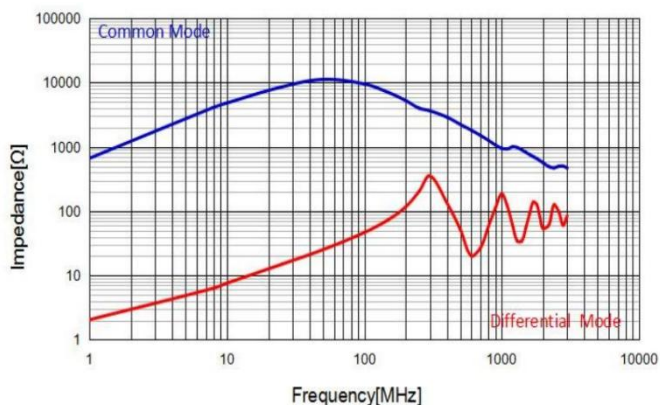
CMF3225L220T



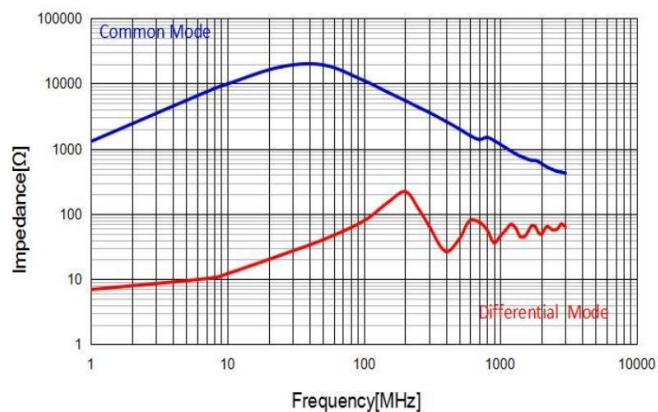
CMF3225L510T



CMF3225L101T

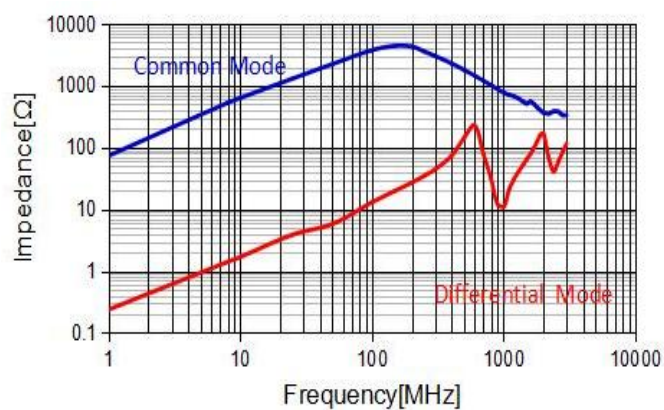


CMF3225L201T

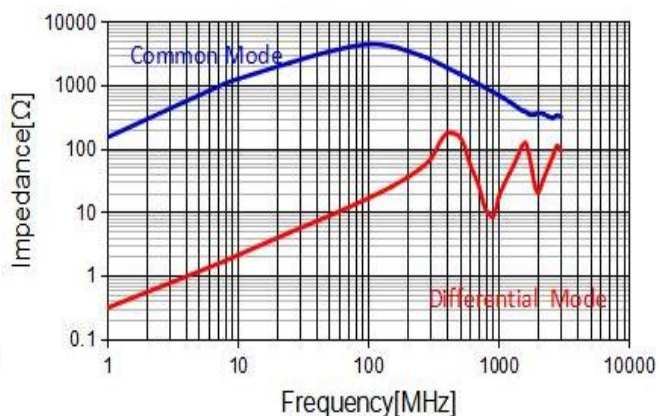


CMF4532L Series

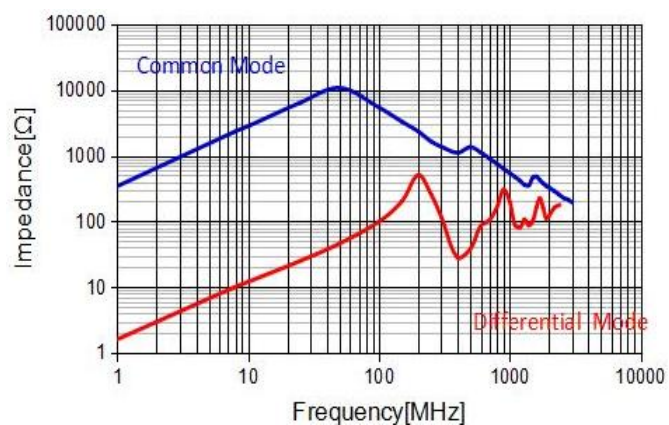
CMF4532L110T



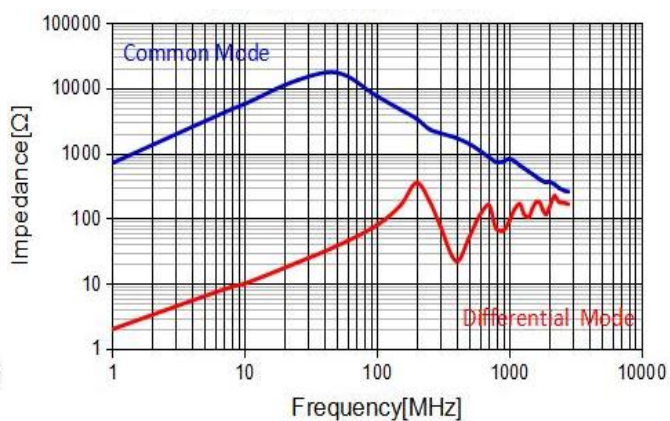
CMF4532L220T



CMF4532L510T



CMF4532L101T



CMF4532L201T

