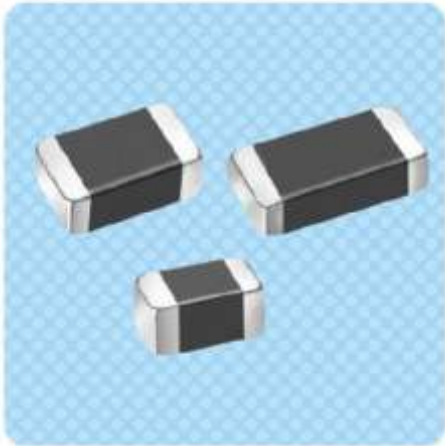


CB Series Multilayer Chip Ferrite Bead



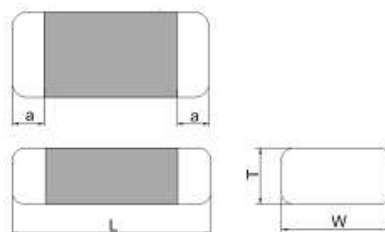
FEATURES

- Noise suppression with a variety of materials and processes.
- Suppression and elimination of electromagnetic interference and radio frequency interference within a wide range of frequency.
- Less leakage of heat and magnetic flux.
- Small volume can be achieved using magnetic shielding structure.
- No need for grounding and greater circuit design flexibility.
- Operating temperature range: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$

APPLICATIONS

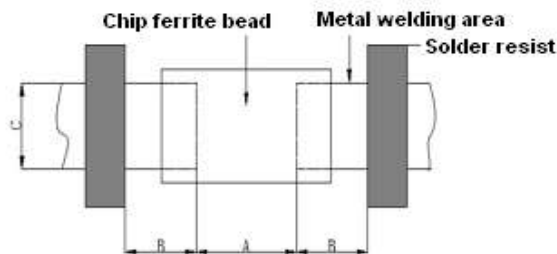
- Widely used in electronic equipments for aviation, aerospace, shipbuilding, satellite, radar, missiles and others

SHAPE AND DIMENSIONS



Part Number	Dimensions (mm)			
	L	W	T	a
CB1005	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1
CB1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
CB2012	2.0±0.2	1.2±0.2	0.8±0.2	0.4±0.2
			1.2±0.2	
CB3216	3.2±0.2	1.6±0.2	0.8±0.2	0.5±0.3
			1.1±0.3	
			1.6±0.3	
CB3225	3.2±0.2	2.5±0.2	1.3±0.3	0.5±0.3
CB4516	4.5±0.2	1.6±0.2	1.6±0.3	0.5±0.3
CB4532	4.5±0.2	3.2±0.2	1.5±0.3	0.5±0.3

RECOMMENDED PC BOARD PATTERN



Part Number	Dimensions (mm)		
	A	B	C
CB1005	0.35	0.6	0.6
CB1608	0.6	1.0	0.8
CB2012	1.0	1.0	1.0
CB3216	2.2	1.1	1.4
CB3225	2.2	1.1	2.2
CB4516	3.0	1.3	1.6
CB4532	3.0	1.3	3.0

PRODUCT IDENTIFICATION

CB 3216 - 300 T (f)



- 1 Series name
- 2 Dimensions Length (L) x Width (W)
- 3 Impedance: 000: ≤10Ω; 100: 10Ω 601: 600Ω; 222: 2200Ω
- 4 Packing style: B: Bulk; T: Tape and reel
- 5 Leadfree productors

SPECIFICATIONS

● CB0603TYPE

Part Number	Impedance (Ω) \pm 25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Rated Current Max. (mA)	Thickness
CB0603-600	60 \pm 25%	100/0.05	0.40	200	0.3 \pm 0.05
CB0603-800	80 \pm 25%		0.60	200	
CB0603-121	120 \pm 25%		0.80	200	
CB0603-241	240 \pm 25%		1.00	200	
CB0603-601	600 \pm 25%		1.70	200	

● CB1005 TYPE

Part Number	Impedance (Ω) \pm 25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Rated Current Max. (mA)	Thickness
CB1005-100	1~15	100/0.05	0.0	500	0.5 \pm 0.15
CB1005-310	31 \pm 25%		0.2	300	
CB1005-600	60 \pm 25%		0.3	200	
CB1005-800	80 \pm 25%		0.3	200	
CB1005-121	120 \pm 25%		0.4	200	
CB1005-221	220 \pm 25%		0.4	150	
CB1005-301	300 \pm 25%		0.5	100	
CB1005-421	420 \pm 25%		0.6	100	
CB1005-501	500 \pm 25%		0.8	100	
CB1005-601	600 \pm 25%		0.9	100	
CB1005-751	750 \pm 25%		1.0	100	
CB1005-102	1000 \pm 25%		1.2	100	
CB1005-152	1500 \pm 25%		1.6	100	

● CB1608 TYPE

Part Number	Impedance (Ω) \pm 25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Rated Current Max. (mA)	Thickness
CB1608-110	1~15	100/0.05	0.05	2000	0.8 \pm 0.15
CB1608-300	30 \pm 25%		0.08	2000	
CB1608-600	60 \pm 25%		0.10	500	
CB1608-800	80 \pm 25%		0.15	400	
CB1608-101	100 \pm 25%		0.20	300	



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Part Number	Impedance (Ω) $\pm 25\%$	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Rated Current Max. (mA)	Thickness
CB1608-121	120 $\pm 25\%$	100/0.05	0.20	300	
CB1608-221	220 $\pm 25\%$		0.30	300	
CB1608-301	300 $\pm 25\%$		0.35	200	
CB1608-471	470 $\pm 25\%$		0.45	200	
CB1608-601	600 $\pm 25\%$		0.45	200	
CB1608-751	750 $\pm 25\%$		0.50	200	
CB1608-102	1000 $\pm 25\%$		0.60	200	
CB1608-152	1500 $\pm 25\%$		0.70	150	
CB1608-182	1800 $\pm 25\%$		0.90	100	
CB1608-202	2000 $\pm 25\%$		1.20	100	
CB1608-222	2200 $\pm 25\%$		1.20	100	

● CB2012 TYPE

Part Number	Impedance (Ω) $\pm 25\%$	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Rated Current Max. (mA)	Thickness
CB2012-070	1~15	100/0.05	0.04	2000	0.8 \pm 0.15
CB2012-190	19 $\pm 25\%$		0.04	2000	
CB2012-300	30 $\pm 25\%$		0.05	1500	
CB2012-800	80 $\pm 25\%$		0.10	1000	
CB2012-121	120 $\pm 25\%$		0.15	800	
CB2012-181	180 $\pm 25\%$		0.18	700	
CB2012-221	220 $\pm 25\%$		0.20	600	
CB2012-301	300 $\pm 25\%$		0.20	500	
CB2012-421	420 $\pm 25\%$		0.30	500	
CB2012-501	500 $\pm 25\%$		0.30	500	
CB2012-601	600 $\pm 25\%$		0.30	500	
CB2012-751	750 $\pm 25\%$		0.35	500	
CB2012-102	1000 $\pm 25\%$		0.35	500	
CB2012-152	1500 $\pm 25\%$		0.60	300	
CB2012-202	2000 $\pm 25\%$		0.80	200	



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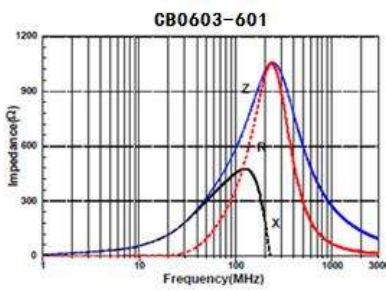
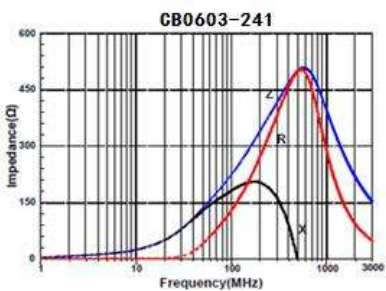
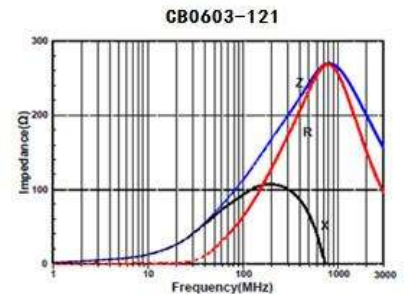
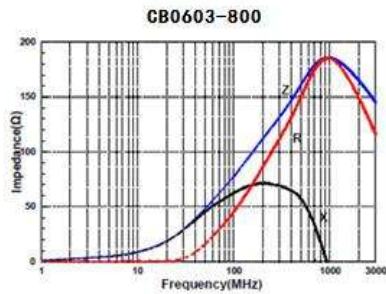
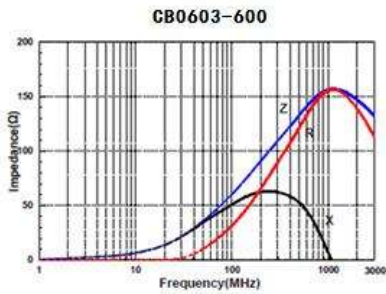
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● CB3216 TYPE

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Rated Current Max. (mA)	Thickness
CB3216-000	1~15	100/0.05	0.03	2200	0.8±0.2
CB3216-310	31±25%		0.05	2000	
CB3216-600	60±25%		0.10	1000	
CB3216-800	80±25%		0.10	1000	
CB3216-121	120±25%		0.10	1000	
CB3216-221	220±25%		0.20	600	
CB3216-301	300±25%		0.20	600	
CB3216-501	500±25%		0.30	600	
CB3216-601	600±25%		0.30	600	
CB3216-102	1000±25%		0.60	500	
CB3216-122	1200±25%		0.60	300	

DETAIL ELECTRICAL CHARACTERISTICS

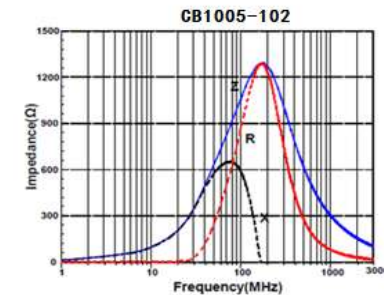
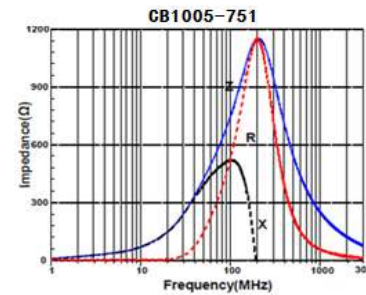
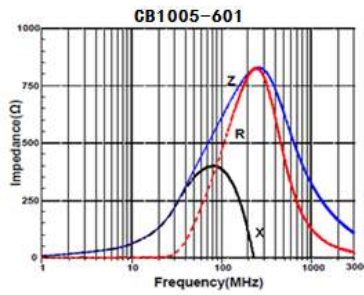
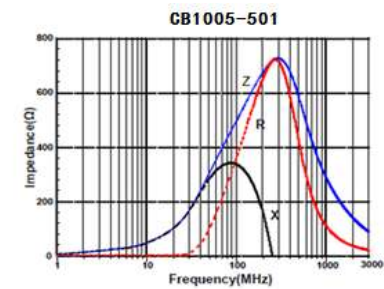
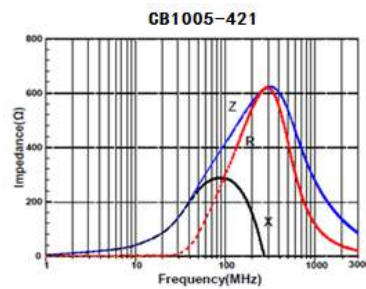
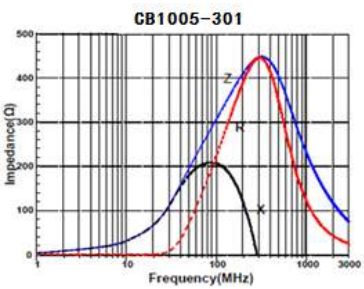
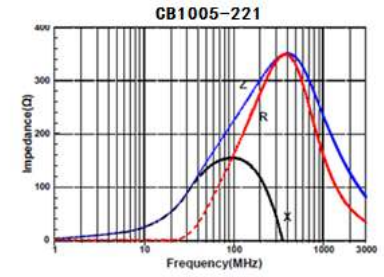
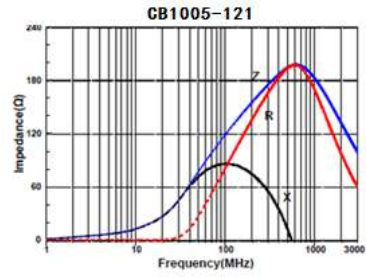
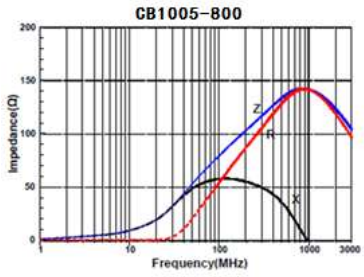
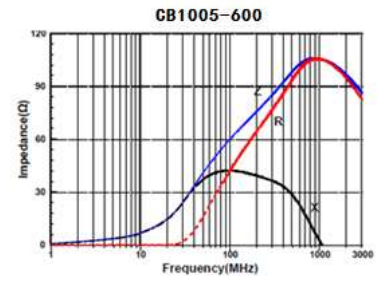
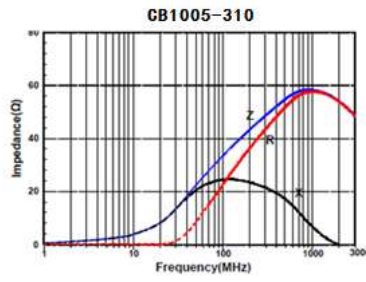
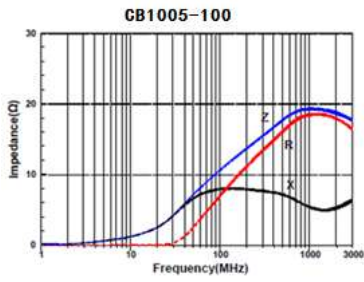
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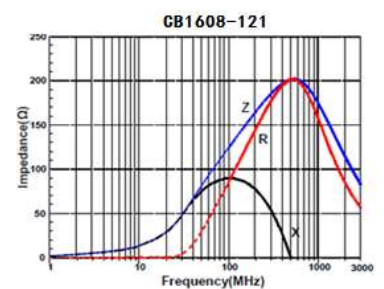
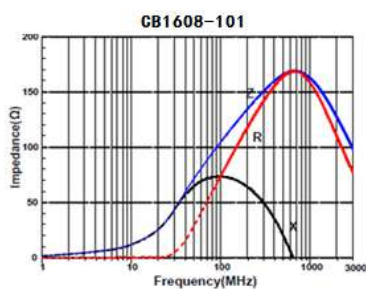
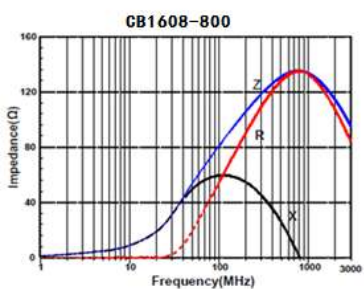
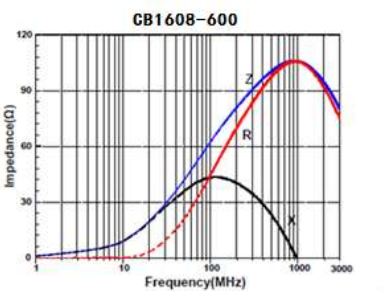
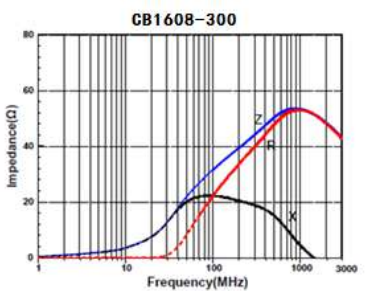
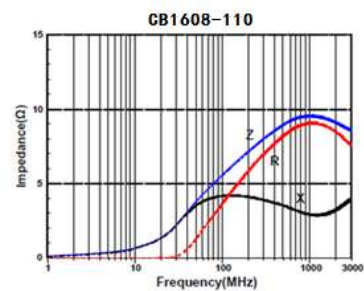
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● CB1005

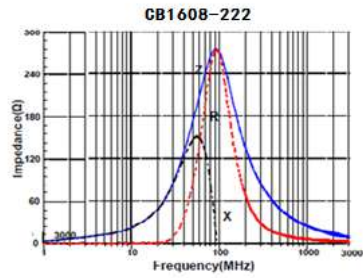
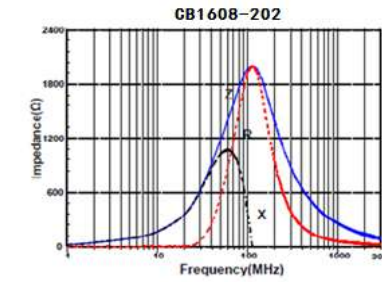
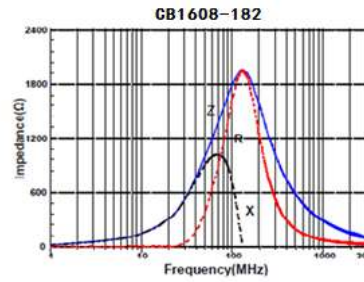
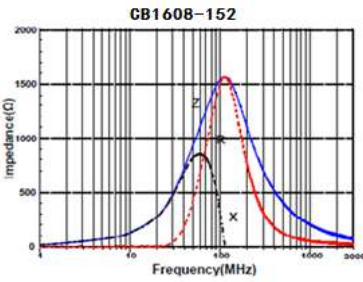
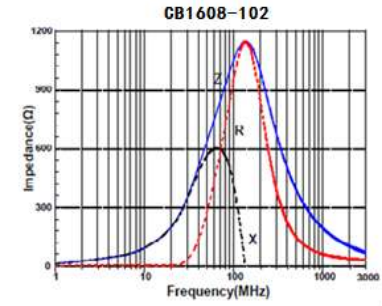
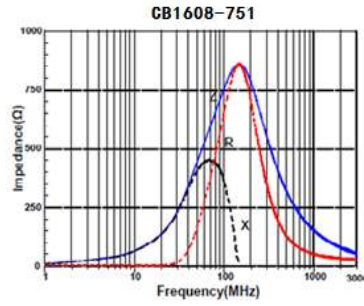
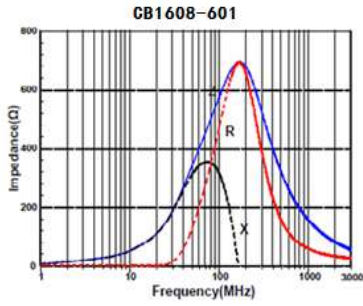
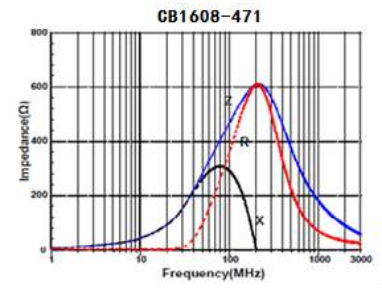
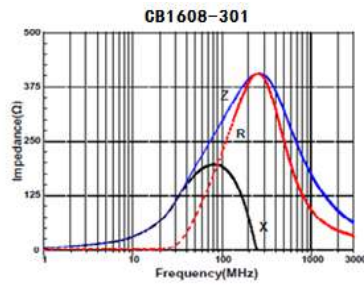
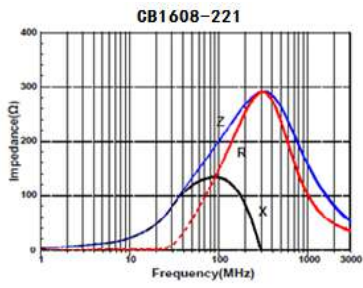


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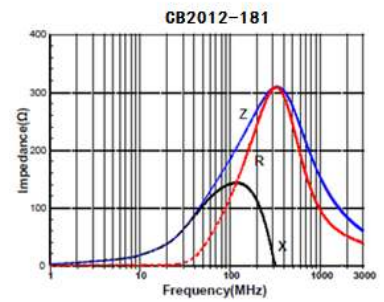
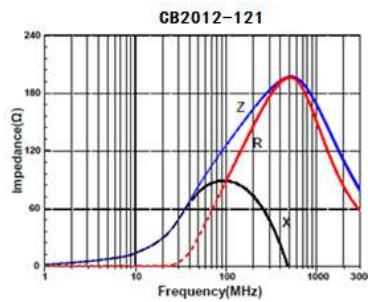
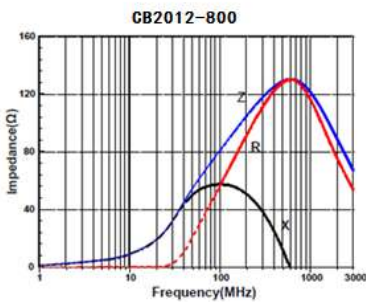
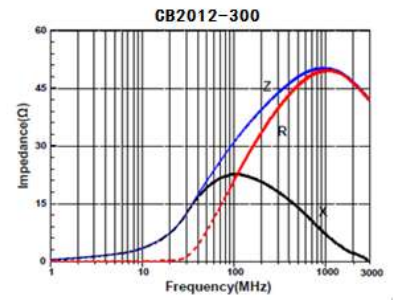
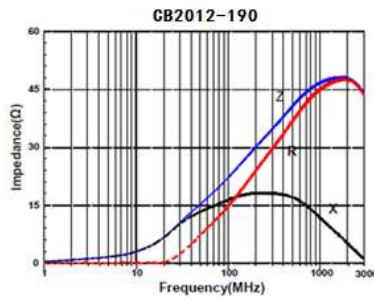
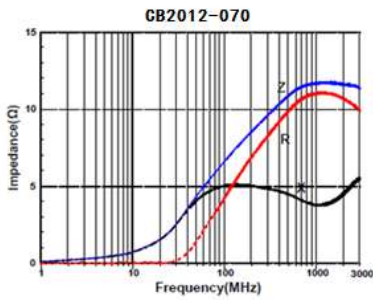


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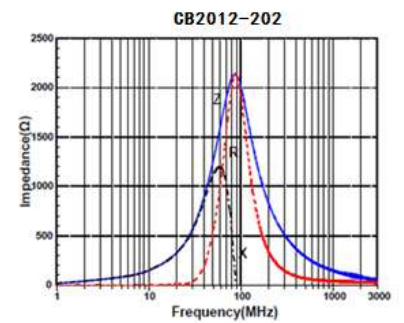
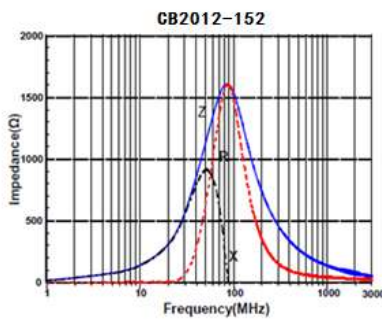
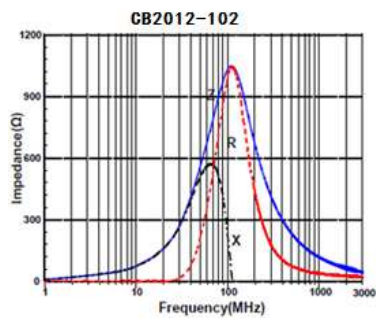
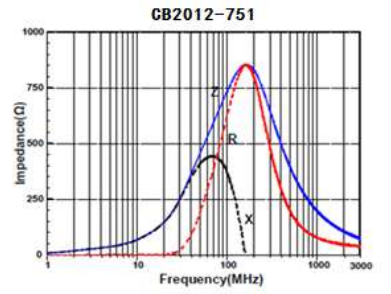
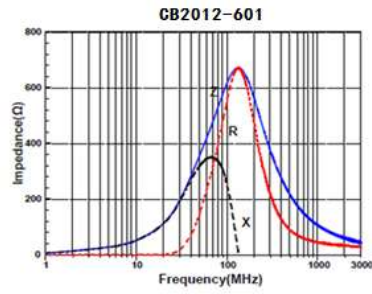
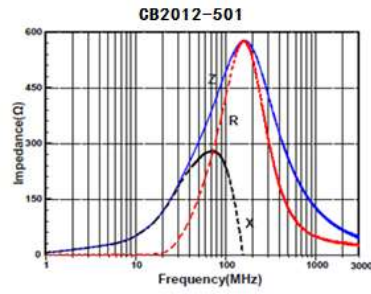
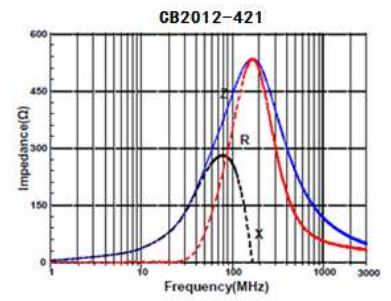
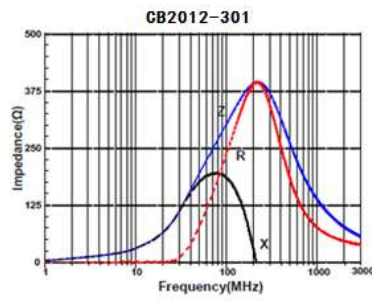
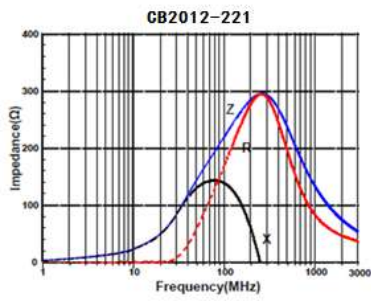


● **CB2012**

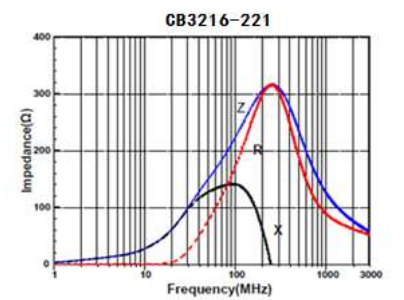
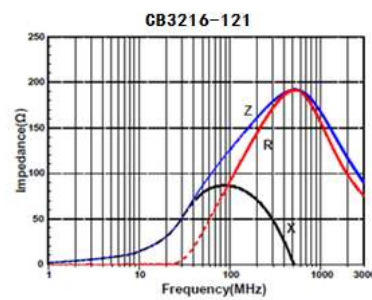
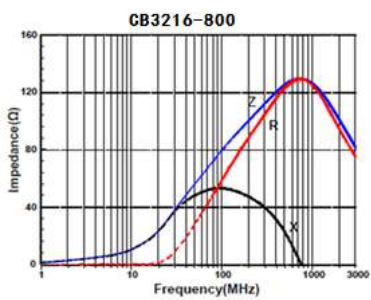
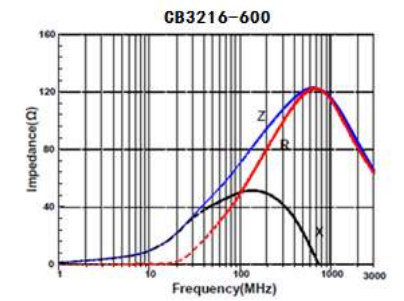
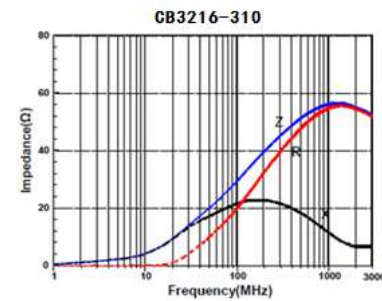
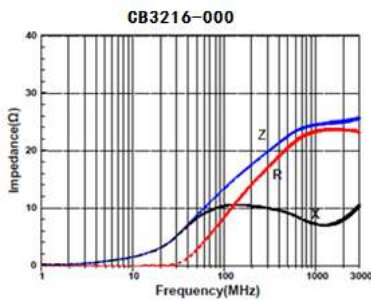


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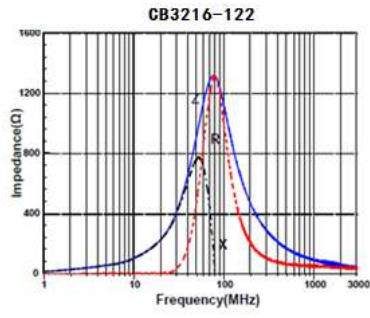
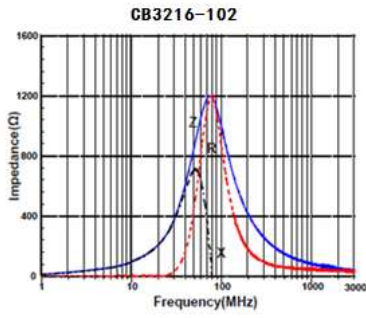
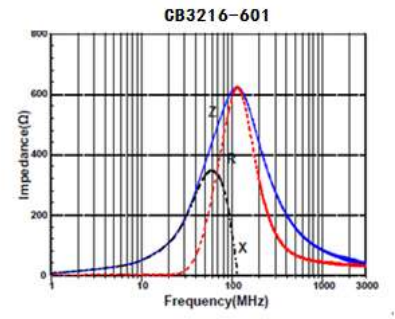
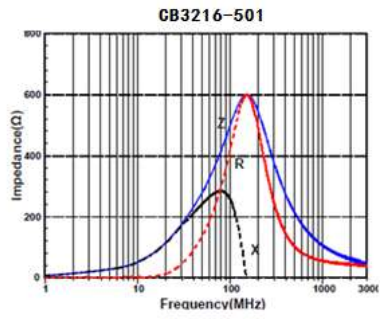
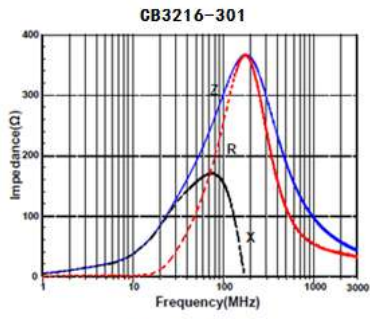


● **CB3216**



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