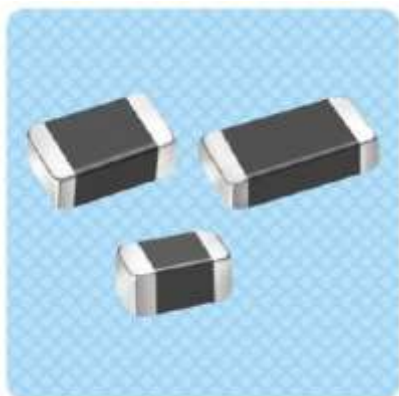


PB Series Multilayer Chip Ferrite Bead



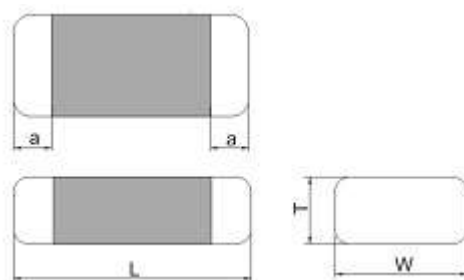
FEATURES

- Can be used in power supply unit.
- Withstand high current, low DC resistance, high reliability.
- Suppression and elimination of electromagnetic interference and radio frequency interference within a wide range of frequency.
- 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

- Noise suppression in radiation conduction of power line.
- Digital signal shaping and noise suppression of high-frequency data cable.
- Portable device with low power consumption.

SHAPE AND DIMENSIONS



Part Number	Dimensions (mm)			
	L	W	T	a
PB1005	1.0 ± 0.15	0.5 ± 0.15	0.5 ± 0.15	0.25 ± 0.1
PB1608	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2
PB2012	2.0 ± 0.2	1.2 ± 0.2	0.8 ± 0.2	0.4 ± 0.2
			1.2 ± 0.2	

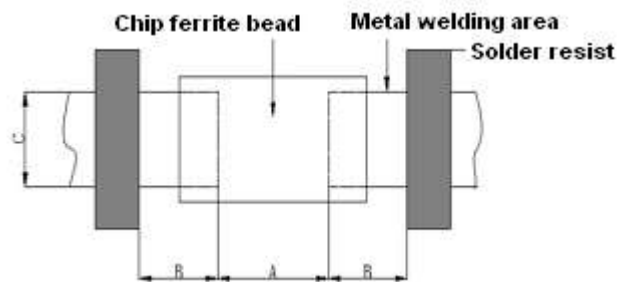


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PB3216	3.2 ± 0.2	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.3
			1.1 ± 0.3	
			1.6 ± 0.3	
PB3225	3.2 ± 0.2	2.5 ± 0.2	1.3 ± 0.3	0.5 ± 0.3
			1.6 ± 0.3	
PB4516	4.5 ± 0.2	1.6 ± 0.2	1.6 ± 0.3	0.5 ± 0.3
PB4532	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.3	0.5 ± 0.3

RECOMMENDED PC BOARD PATTERN



Part Number	Dimensions (mm)		
	A	B	C
PB1005	0.35	0.6	0.6
PB1608	0.6	1.0	0.8
PB2012	1.0	1.0	1.0
PB3216	2.2	1.1	1.4
PB3225	2.2	1.1	2.2
PB4516	3.0	1.3	1.6
PB4532	3.0	1.3	3.0

PRODUCT IDENTIFICATION

PB 1608 - 600 / 3A



- ① Series name
- ② Dimensions L×W
1608: 1.6mm of length, 0.8mm of width.
- ③ Nominal impedance
600: 60Ω ; 121: 120Ω ; 102: 1000Ω .
- ④ Rated Current
3A: 3.0A; 1A5: 1.5A.

SPECIFICATIONS

● PB1005 TYPE

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB1005-300/1A0	30	100	0.05	1000
PB1005-700/0A8	70		0.10	800
PB1005-121/0A7	120		0.13	700
PB1005-221/0A6	220		0.18	600
PB1005-471/0A5	470		0.30	500
PB1005-601/0A5	600		0.34	450
PB1005-102/0A3	1000		0.47	300

● PB1608 Series

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB1608-000/3A	≤10	100	20	3
PB1608-000/4A	≤10		10	4
PB1608-000/6A	≤10		6	6
PB1608-110/3A	11		20	3
PB1608-110/4A	11		10	4
PB1608-190/3A	19		30	3
PB1608-260/3A	26		30	3
PB1608-300/3A	30		30	3
PB1608-310/2A	31		40	2
PB1608-310/3A	31		30	3
PB1608-470/3A	47		30	3
PB1608-500/3A	50		30	3
PB1608-600/2A	60		45	2
PB1608-600/3A	60		30	3
PB1608-800/2A	80		75	2
PB1608-800/3A	80		40	3
PB1608-121/1A	120		100	1
PB1608-121/2A	120		90	2
PB1608-121/3A	120		55	3

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Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB1608-151/1A	150	100	100	1
PB1608-151/2A	150		90	2
PB1608-221/1A	220		150	1
PB1608-221/2A	220		100	2
PB1608-301/1A	300		150	1
PB1608-301/2A	300		110	2
PB1608-501/1A	500		250	1
PB1608-601/1A	600		250	1

● PB2012 TYPE

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB2012-000/2A	≤10	100	20	2
PB2012-000/4A	≤10		10	4
PB2012-000/6A	≤10		6	6
PB2012-110/2A	11		20	2
PB2012-110/4A	11		15	4
PB2012-110/6A	11		6	6
PB2012-190/2A	19		25	2
PB2012-190/4A	19		15	4
PB2012-190/6A	19		6	6
PB2012-260/2A	26		25	2
PB2012-260/4A	26		15	4
PB2012-300/2A	30		25	2
PB2012-300/3A	30		20	3
PB2012-300/4A	30		15	4
PB2012-310/1A	31		40	1
PB2012-310/3A	31		20	3
PB2012-310/4A	31		15	4
PB2012-310/6A	31		6	6
PB2012-390/4A	39		20	4
PB2012-500/1A	50		60	1



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Part Number	Impedance (Ω) $\pm 25\%$	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB2012-600/2A	60	100	60	2
PB2012-600/3A	60		40	3
PB2012-600/4A	60		20	4
PB2012-800/1A	80		80	1
PB2012-800/2A	80		60	2
PB2012-800/3A	80		40	3
PB2012-800/4A	80		25	4
PB2012-101/2A	100		40	2
PB2012-101/3A	100		40	3
PB2012-121/1A	120		80	1
PB2012-121/2A	120		60	2
PB2012-121/3A	120		40	3
PB2012-151/2A	150		60	2
PB2012-151/3A	150		40	3
PB2012-181/2A	180		60	2
PB2012-181/3A	180		45	3
PB2012-221/2A	220		60	2
PB2012-221/3A	220		45	3
PB2012-301/1A	300		120	1
PB2012-301/2A	300		70	2
PB2012-301/3A	300		50	3
PB2012-501/1A	500		200	1
PB2012-501/2A	500		120	2
PB2012-501/3A	500		80	3
PB2012-601/1A	600		200	1
PB2012-601/2A	600		125	2
PB2012-601/3A	600		100	3
PB2012-801/1A	800		200	1
PB2012-102/1A	1000		220	1



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● PB3216 TYPE

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB3216-000/3A	≤10	100	25	3
PB3216-000/4A	≤10		15	4
PB3216-000/6A	≤10		6	6
PB3216-100/3A	10		25	3
PB3216-100/4A	10		15	4
PB3216-100/6A	10		6	6
PB3216-110/6A	11		6	6
PB3216-190/3A	19		25	3
PB3216-190/4A	19		15	4
PB3216-190/6A	19		6	6
PB3216-220/3A	22		25	3
PB3216-220/6A	22		6	6
PB3216-260/4A	26		20	4
PB3216-310/3A	31		25	3
PB3216-310/6A	31		6	6
PB3216-390/6A	39		6	6
PB3216-400/2A	40		100	2
PB3216-400/3A	40		30	3
PB3216-400/4A	40		20	4
PB3216-400/6A	40		6	6
PB3216-500/2A	50		100	2
PB3216-500/3A	50		40	3
PB3216-500/4A	50		30	4
PB3216-500/6A	50		6	6
PB3216-600/2A	60		100	2
PB3216-600/3A	60		40	3
PB3216-600/4A	60		30	4
PB3216-600/6A	60		6	6
PB3216-700/2A	70		100	2
PB3216-700/3A	70		40	3
PB3216-700/4A	70	30	4	

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Part Number	Impedance (Ω) $\pm 25\%$	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB3216-700/6A	70	100	6	6
PB3216-800/2A	80		100	2
PB3216-800/3A	80		40	3
PB3216-800/4A	80		30	4
PB3216-800/6A	80		6	6
PB3216-101/1A	100		150	1
PB3216-101/2A	100		80	2
PB3216-101/3A	100		40	3
PB3216-121/1A	120		150	1
PB3216-121/2A	120		80	2
PB3216-121/3A	120		40	3
PB3216-151/1A	150		150	1
PB3216-151/2A	150		80	2
PB3216-151/3A	150		40	3
PB3216-221/1A	220		150	1
PB3216-221/2A	220		80	2
PB3216-221/3A	220		40	3
PB3216-301/1A	300		150	1
PB3216-301/2A	300		90	2
PB3216-301/3A	300		70	3
PB3216-401/1A	400		150	1
PB3216-401/2A	400		90	2
PB3216-401/3A	400		70	3
PB3216-501/1A	500		150	1
PB3216-501/2A	500		100	2
PB3216-501/3A	500		80	3
PB3216-601/1A	600		150	1
PB3216-601/2A	600		100	2
PB3216-601/3A	600		80	3
PB3216-751/3A	750		80	3
PB3216-801/1A	800		180	1
PB3216-801/2A	800		120	2



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Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB3216-102/1A	1000	100	180	1

● PB3225 TYPE

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB3225-190/3A	19	100	25	3
PB3225-190/4A	19		10	4
PB3225-190/6A	19		6	6
PB3225-260/6A	26		6	6
PB3225-310/3A	31		25	3
PB3225-310/4A	31		10	4
PB3225-310/6A	31		6	6
PB3225-390/3A	39		25	3
PB3225-390/4A	39		10	4
PB3225-390/6A	39		6	6
PB3225-470/3A	47		40	3
PB3225-470/4A	47		25	4
PB3225-470/6A	47		6	6
PB3225-500/3A	50		40	3
PB3225-500/4A	50		25	4
PB3225-500/6A	50		6	6
PB3225-600/3A	60		40	3
PB3225-600/4A	60		25	4
PB3225-600/6A	60		6	6
PB3225-700/2A	70		60	2
PB3225-700/3A	70		50	3
PB3225-700/4A	70		30	4
PB3225-800/2A	80		60	2
PB3225-800/3A	80		50	3
PB3225-800/4A	80		30	4
PB3225-900/2A	90		40	2
PB3225-900/3A	90		40	3
PB3225-900/4A	90		30	4



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Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB3225-101/2A	100	100	80	2
PB3225-101/3A	100		60	3
PB3225-121/1A	120		100	1
PB3225-121/2A	120		80	2
PB3225-121/3A	120		60	3
PB3225-151/2A	150		80	2
PB3225-181/1A	180		120	1
PB3225-181/2A	180		90	2
PB3225-181/3A	180		60	3
PB3225-221/1A	220		135	1
PB3225-221/2A	220		100	2
PB3225-221/3A	220		60	3
PB3225-301/1A	300		150	1
PB3225-301/1A	300		120	1.5
PB3225-301/2A	300		100	2
PB3225-301/3A	300		60	3
PB3225-421/1A	420		120	1.5
PB3225-501/1A	500		160	1
PB3225-501/2A	500		110	2
PB3225-501/3A	500		80	3
PB3225-601/1A	600		160	1
PB3225-601/2A	600		110	2
PB3225-601/3A	600		80	3
PB3225-751/1A	750		160	1
PB3225-751/2A	750		120	2
PB3225-102/1A	1000		170	1

● PB4516 TYPE

Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB4516-260/6A	26	100	6	6
PB4516-300/6A	30		6	6
PB4516-310/6A	31		6	6



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Part Number	Impedance (Ω) $\pm 25\%$	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB4516-500/4A	50	100	20	4
PB4516-500/6A	50		6	6
PB4516-600/3A	60		35	3
PB4516-600/6A	60		6	6
PB4516-750/3A	75		35	3
PB4516-800/3A	80		35	3
PB4516-800/4A	80		25	4
PB4516-900/3A	90		35	3
PB4516-101/3A	100		35	3
PB4516-121/2A	120		50	2
PB4516-121/3A	120		35	3
PB4516-151/2A	150		60	2
PB4516-181/2A	180		60	2
PB4516-221/3A	220		45	3
PB4516-301/2A	300		100	2
PB4516-501/2A	500		120	2
PB4516-601/2A	600		120	2
PB4516-801/1A	800		180	1
PB4516-801/2A	800		120	2
PB4516-102/1A	1000		180	1
PB4516-102/1A 5	1000	150	1.5	

● PB4532 TYPE

Part Number	Impedance (Ω) $\pm 25\%$	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB4532-310/6A	31	100	6	6
PB4532-500/6A	50		6	6
PB4532-600/3A	60		15	3
PB4532-600/4A	60		10	4
PB4532-600/6A	60		6	6
PB4532-800/3A	80		15	3
PB4532-800/4A	80		10	4



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Part Number	Impedance (Ω) ±25%	Impedance Test Frequency (MHz)	Max.DC Resistance (Ω)	Max.Rated Current (mA)
PB4532-800/6A	80	100	6	6
PB4532-101/4A	100		15	4
PB4532-121/2A	120		35	2
PB4532-121/3A	120		20	3
PB4532-151/3A	150		25	3
PB4532-181/2A	180		35	2
PB4532-181/3A	180		25	3
PB4532-221/2A	220		45	2
PB4532-221/3A	220		35	3
PB4532-301/2A	300		45	2
PB4532-301/3A	300		35	3
PB4532-501/2A	500		80	2
PB4532-501/3A	500		50	3
PB4532-601/2A	600		80	2
PB4532-601/3A	600		50	3

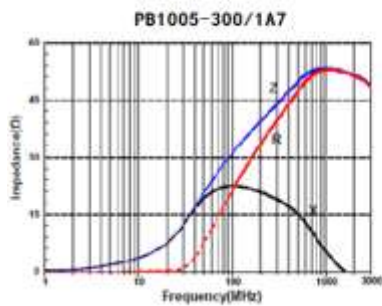
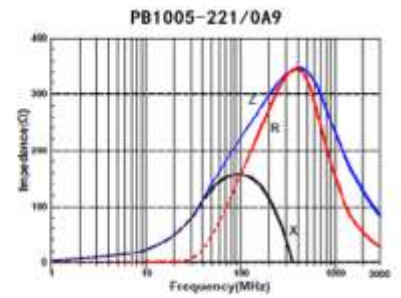
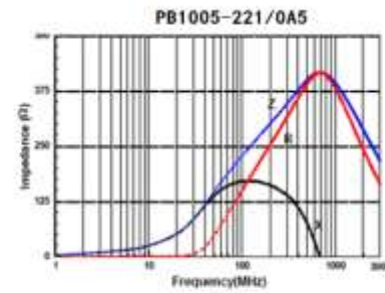
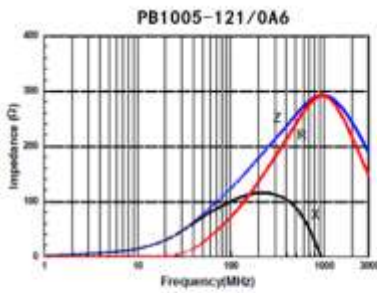
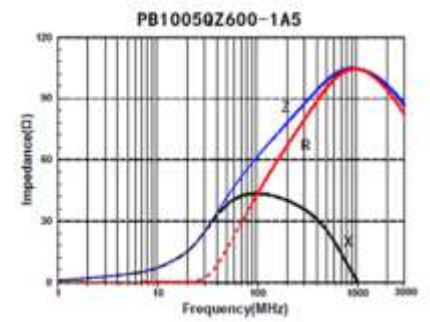
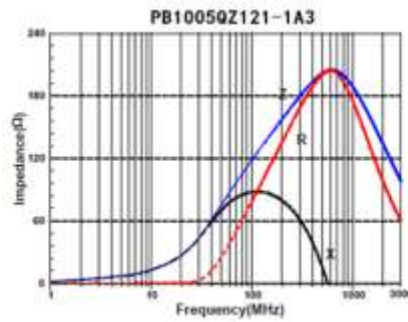
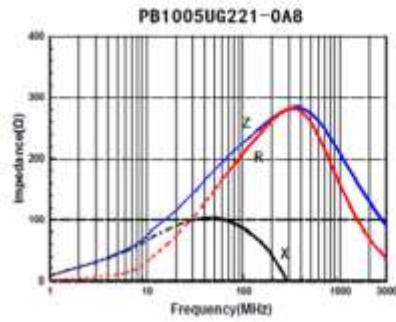
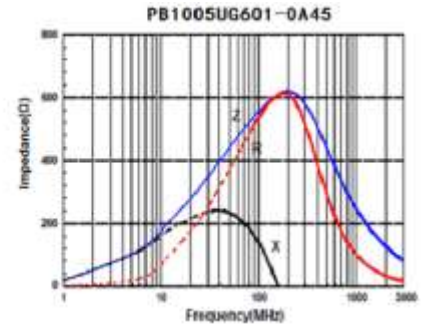
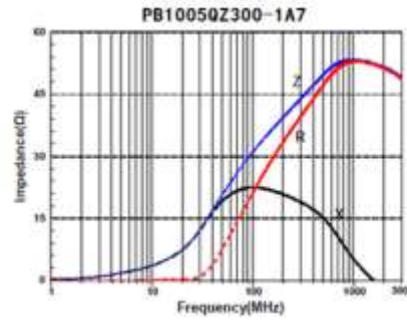
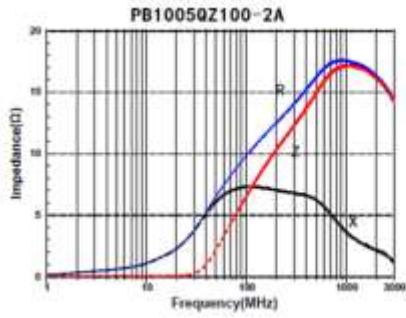


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DETAIL ELECTRICAL CHARACTERISTICS

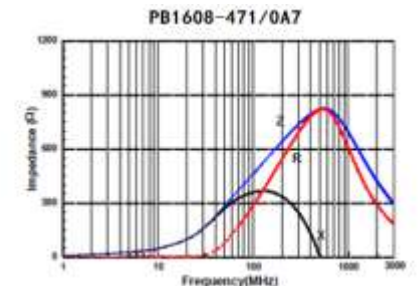
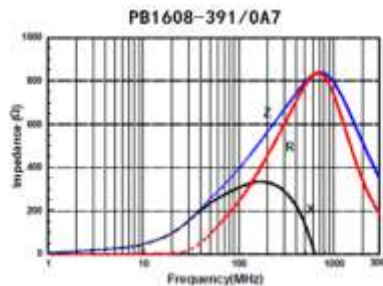
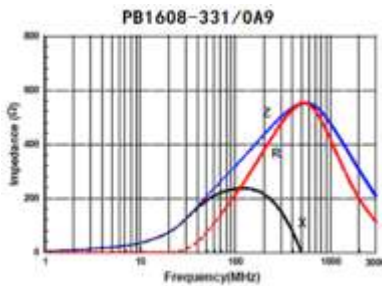
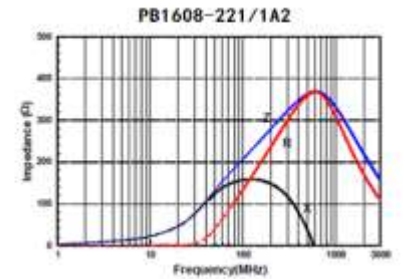
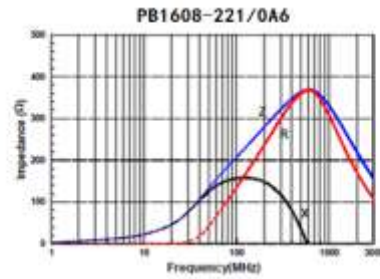
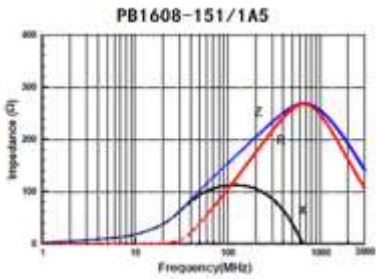
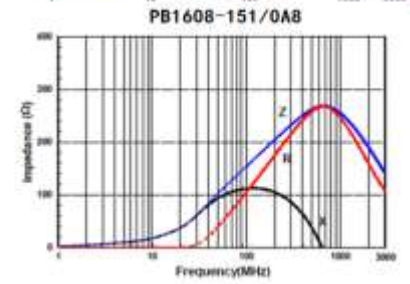
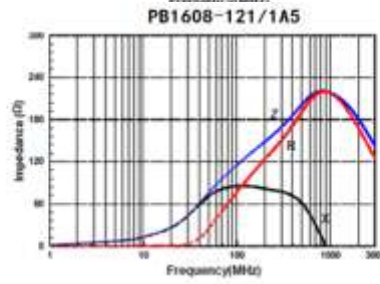
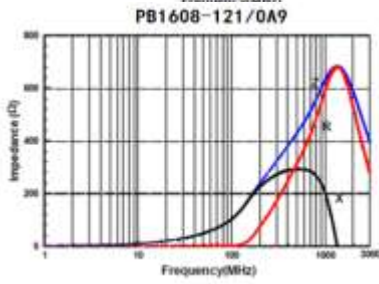
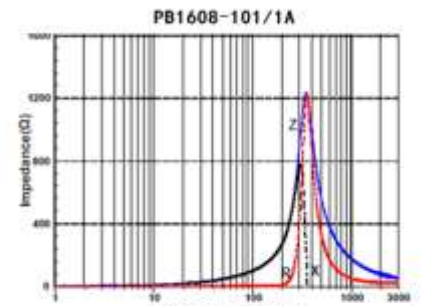
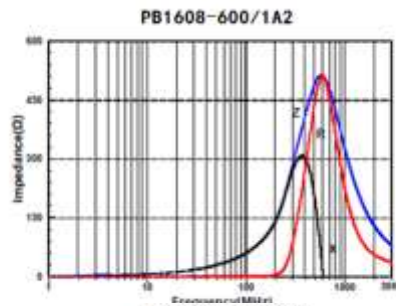
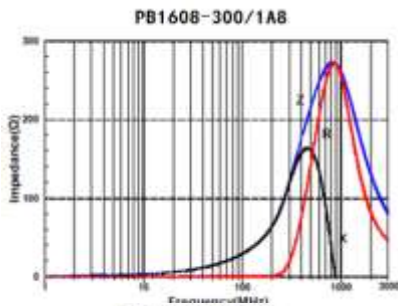
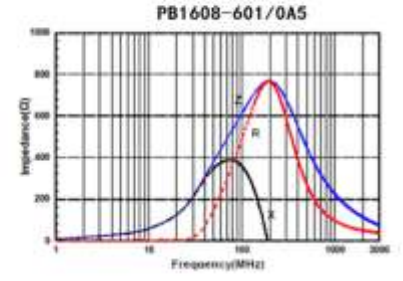
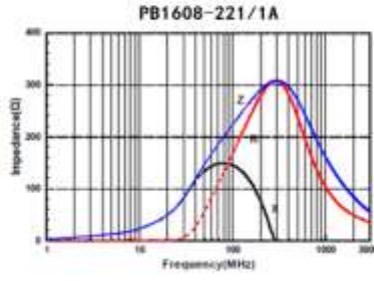
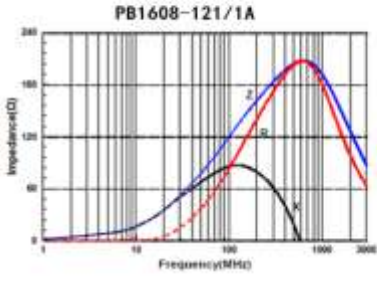
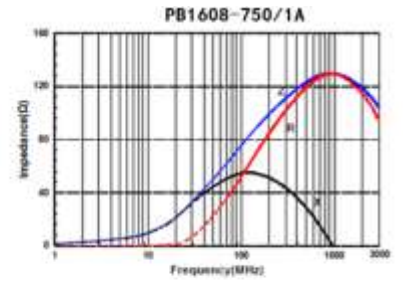
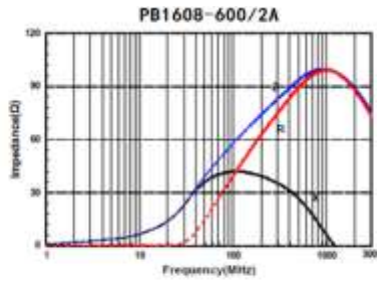
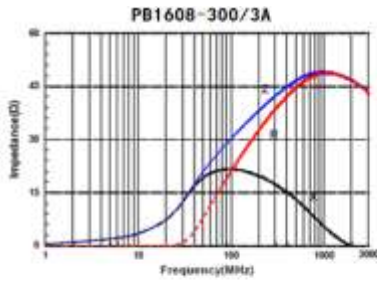
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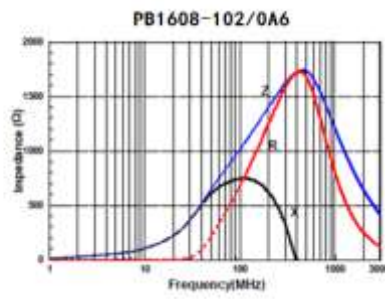
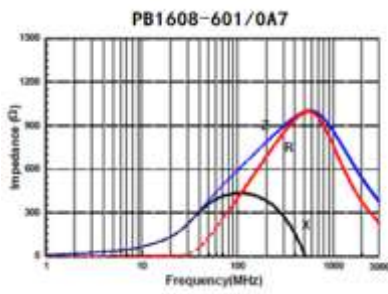


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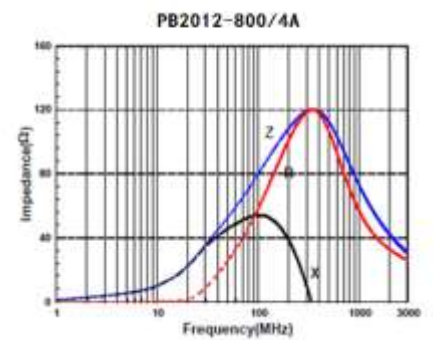
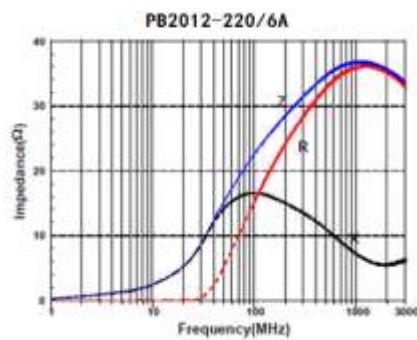
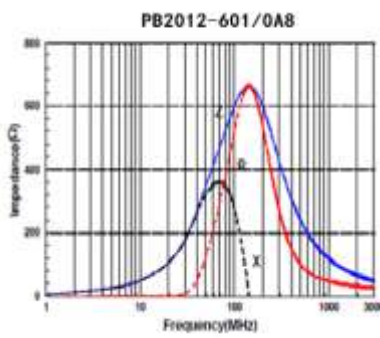
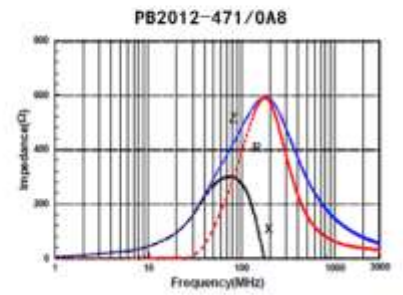
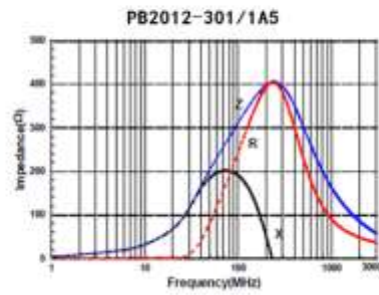
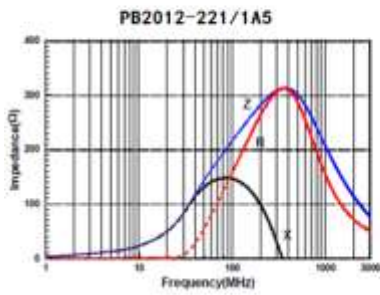
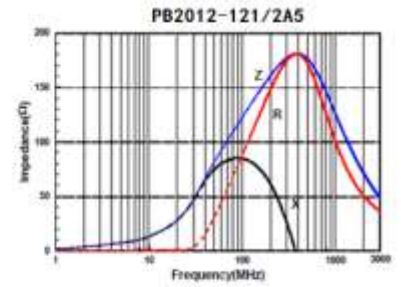
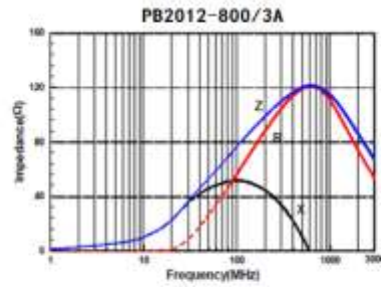
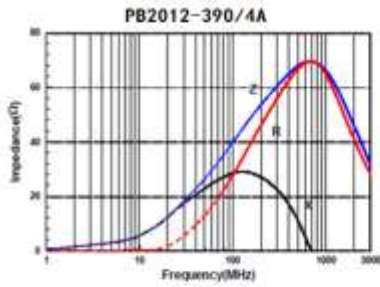


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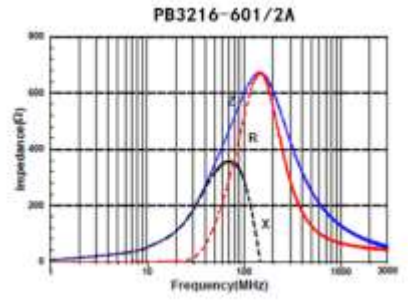
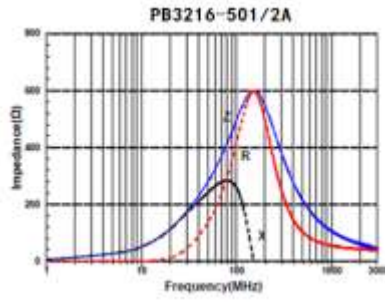
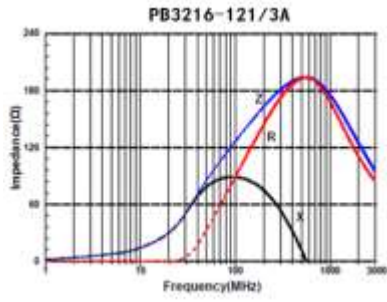
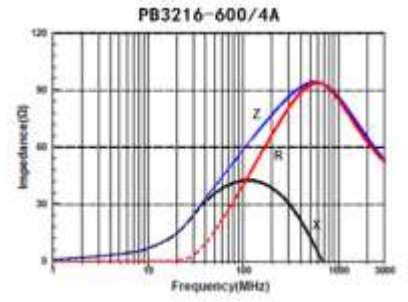
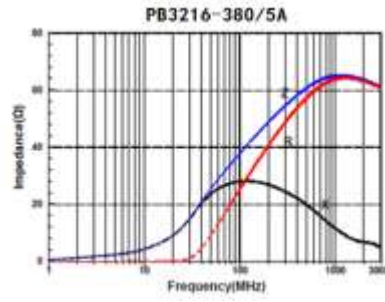
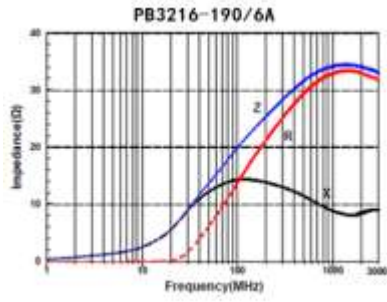




● **PB2012**



● PB3216



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