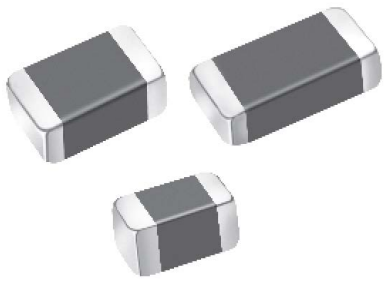
Multilayer Chip Ferrite Bead



FEATURES

- Use a variety of materials and technology to suppress noise
- Suppression and elimination of electromagnetic/RF interference over a wide frequency range
- Using magnetic shielding structure, crosstalk will not occur between circuits, and high-density installation can be achieved
- No need to ground, circuit design freedom

APPLICATIONS

- Low speed signal line noise suppression of intelligent broadband, automotive electronics, communication equipment, consumer electronics, office automation and other electronic equipment

PRODUCT IDENTIFICATION

SKCB **3216** — **300** **T** **(f)**

Product Code

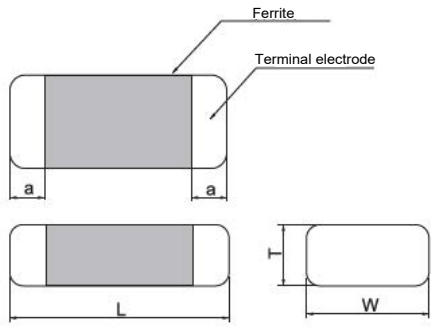
Dimension：**L** × **W** (mm)
1005：1.0×0.5
1608：1.6×0.8
2012：2.0×1.2
3216：3.2×1.6

ROHS compliant product identification

Packaging Style
T：Tape & Reel
B：Bulk
(T is not specified as the default)

Impedance(Ω)
300：30Ω
601：600Ω
102：1000Ω

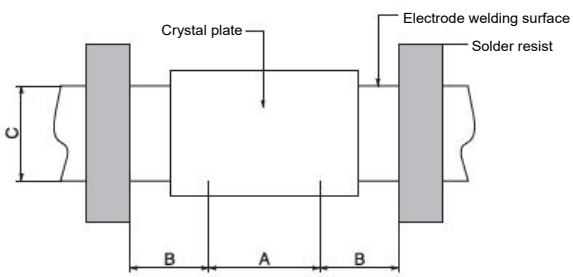
STANDARD EXTERNAL DIMENSIONS



Unit：mm

specification	dimensions			
	L	W	T	a
SKCB1005	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.15
SKCB1608	1.6±0.15	0.8±0.15	0.8±0.15	0.30±0.20
SKCB2012	2.0±0.20	1.2±0.20	0.8±0.15	0.40±0.20
SKCB3216	3.2±0.20	1.6±0.20	0.8±0.20	0.50±0.30

RECOMMENDED PAD SIZE



Unit：mm

specification	dimensions		
	A	B	C
SKCB1005	0.35	0.5	0.5
SKCB1608	0.8	0.6	0.8
SKCB2012	1.0	0.8	1.2
SKCB3216	2.2	1.1	1.6

SEPCIFICATIONS

SKCB1005 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz/V	Ω	mA	mm
Symbol	Z	Freq.	DCR	Ir	T
SKCB1005-100	1~15	100/0.05	0.15	550	0.5±0.15
SKCB1005-190	19±25%	100/0.05	0.20	500	
SKCB1005-260	26±25%	100/0.05	0.25	400	
SKCB1005-310	31±25%	100/0.05	0.25	350	
SKCB1005-470	47±25%	100/0.05	0.30	300	
SKCB1005-500	50±25%	100/0.05	0.30	250	
SKCB1005-600	60±25%	100/0.05	0.30	250	
SKCB1005-700	70±25%	100/0.05	0.35	250	
SKCB1005-800	80±25%	100/0.05	0.35	250	
SKCB1005-101	100±25%	100/0.05	0.40	200	
SKCB1005-121	120±25%	100/0.05	0.40	200	
SKCB1005-151	150±25%	100/0.05	0.45	150	
SKCB1005-201	200±25%	100/0.05	0.45	150	
SKCB1005-221	220±25%	100/0.05	0.45	150	
SKCB1005-301	300±25%	100/0.05	0.50	120	
SKCB1005-501	500±25%	100/0.05	0.80	100	
SKCB1005-601	600±25%	100/0.05	0.90	100	
SKCB1005-751	750±25%	100/0.05	1.00	100	
SKCB1005-801	800±25%	100/0.05	1.00	100	
SKCB1005-102	1000±25%	100/0.05	1.20	50	
SKCB1005-122	1200±25%	100/0.05	1.60	40	
SKCB1005-152	1500±25%	100/0.05	2.20	30	
SKCB1005-202	2000±25%	100/0.05	2.60	30	

SKCB1608 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz/V	Ω	mA	mm
Symbol	Z	Freq.	DCR	Ir	T
SKCB1608-000	1~15	100/0.05	0.05	2000	0.8±0.15
SKCB1608-190	19±25%	100/0.05	0.07	2000	
SKCB1608-260	26±25%	100/0.05	0.07	2000	
SKCB1608-310	31±25%	100/0.05	0.07	2000	
SKCB1608-470	47±25%	100/0.05	0.07	1000	

SKCB1608 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz/V	Ω	mA	mm
Symbol	Z	Freq.	DCR	Ir	T
SKCB1608-600	60±25%	100/0.05	0.08	600	0.8±0.15
SKCB1608-800	80±25%	100/0.05	0.12	600	
SKCB1608-101	100±25%	100/0.05	0.14	500	
SKCB1608-121	120±25%	100/0.05	0.16	400	
SKCB1608-151	150±25%	100/0.05	0.16	400	
SKCB1608-181	180±25%	100/0.05	0.25	300	
SKCB1608-221	220±25%	100/0.05	0.30	300	
SKCB1608-301	300±25%	100/0.05	0.35	300	
SKCB1608-471	470±25%	100/0.05	0.35	300	
SKCB1608-501	500±25%	100/0.05	0.35	300	
SKCB1608-601	600±25%	100/0.05	0.40	300	
SKCB1608-751	750±25%	100/0.05	0.50	300	
SKCB1608-102	1000±25%	100/0.05	0.55	250	
SKCB1608-122	1200±25%	50/0.05	0.60	200	
SKCB1608-152	1500±25%	50/0.05	0.85	200	
SKCB1608-182	1800±25%	50/0.05	1.00	150	
SKCB1608-202	2000±25%	50/0.05	1.10	150	
SKCB1608-222	2200±25%	50/0.05	1.20	150	
SKCB1608-252	2500±25%	50/0.05	1.40	80	
SKCB1608-302	3000±25%	50/0.05	1.80	50	

SKCB2012 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz/V	Ω	mA	mm
Symbol	Z	Freq.	DCR	Ir	T
SKCB2012-070	1~15	100/0.05	0.02	2000	0.85±0.10
SKCB2012-190	19±25%	100/0.05	0.02	2000	
SKCB2012-300	30±25%	100/0.05	0.03	2000	
SKCB2012-470	47±25%	100/0.05	0.05	1500	
SKCB2012-600	60±25%	100/0.05	0.06	1200	
SKCB2012-800	80±25%	100/0.05	0.08	1200	
SKCB2012-101	100±25%	100/0.05	0.10	1000	
SKCB2012-121	120±25%	100/0.05	0.10	1000	
SKCB2012-181	180±25%	100/0.05	0.12	800	
SKCB2012-221	220±25%	100/0.05	0.15	650	
SKCB2012-301	300±25%	100/0.05	0.20	650	
SKCB2012-421	420±25%	100/0.05	0.20	650	
SKCB2012-501	500±25%	100/0.05	0.22	650	
SKCB2012-601	600±25%	100/0.05	0.25	650	
SKCB2012-751	750±25%	100/0.05	0.28	550	
SKCB2012-102	1000±25%	100/0.05	0.35	550	
SKCB2012-152	1500±25%	50/0.05	0.45	350	
SKCB2012-202	2000±25%	50/0.05	0.55	250	
SKCB2012-252	2500±25%	50/0.05	0.70	200	

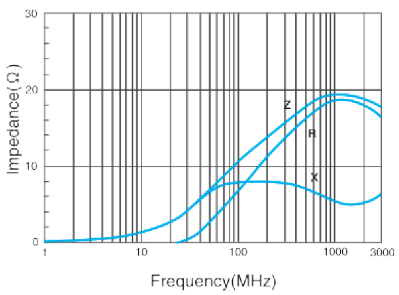
SKCB3216 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz/V	Ω	mA	mm
Symbol	Z	Freq.	DCR	Ir	T
SKCB3216-000	1~15	100/0.05	0.02	2500	0.85±0.10
SKCB3216-190	19±25%	100/0.05	0.03	2500	
SKCB3216-260	26±25%	100/0.05	0.04	2500	
SKCB3216-310	31±25%	100/0.05	0.04	2200	
SKCB3216-470	47±25%	100/0.05	0.05	1500	
SKCB3216-600	60±25%	100/0.05	0.05	1200	
SKCB3216-800	80±25%	100/0.05	0.05	1200	
SKCB3216-101	100±25%	100/0.05	0.05	1200	
SKCB3216-121	120±25%	100/0.05	0.06	1200	
SKCB3216-181	180±25%	100/0.05	0.08	800	
SKCB3216-221	220±25%	100/0.05	0.10	800	
SKCB3216-301	300±25%	100/0.05	0.10	800	
SKCB3216-421	4200±25%	100/0.05	0.15	800	
SKCB3216-501	500±25%	100/0.05	0.20	650	
SKCB3216-601	600±25%	100/0.05	0.20	650	
SKCB3216-801	800±25%	100/0.05	0.35	550	
SKCB3216-102	1000±25%	100/0.05	0.40	550	
SKCB3216-122	1200±25%	50/0.05	0.45	400	
SKCB3216-152	1500±25%	50/0.05	0.55	300	
SKCB3216-202	2000±25%	50/0.05	0.60	250	
SKCB3216-252	2500±25%	50/0.05	1.00	100	

TYPICAL ELECTRICAL CHARACTERISTICS

SKCB1005 TYPE

SKCB1005-100



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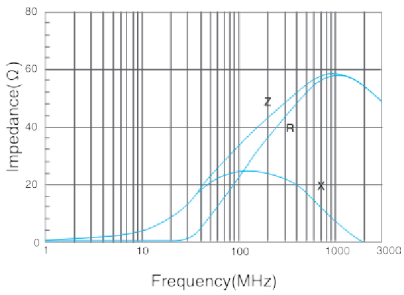
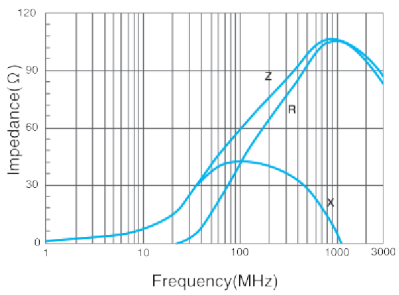


SKCB1005-600



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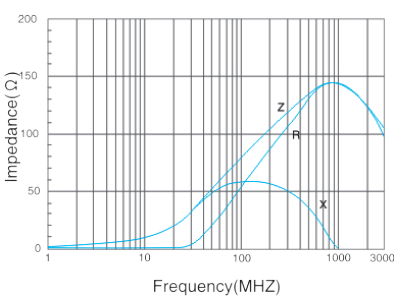
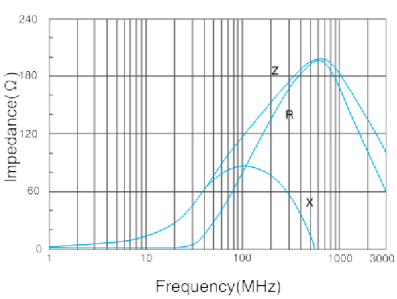
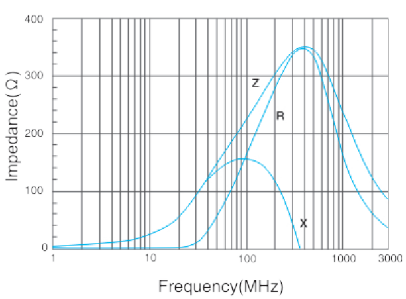


SKCB1005-121



SKCB1005-221



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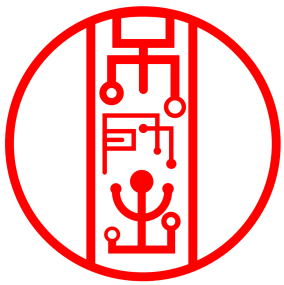

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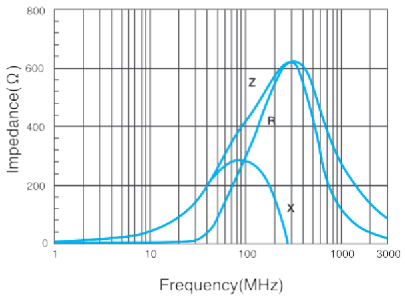

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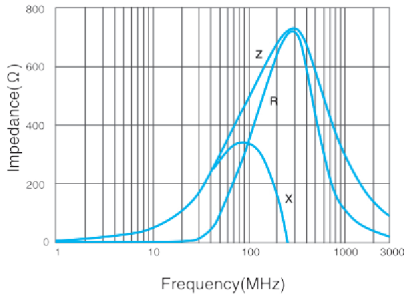
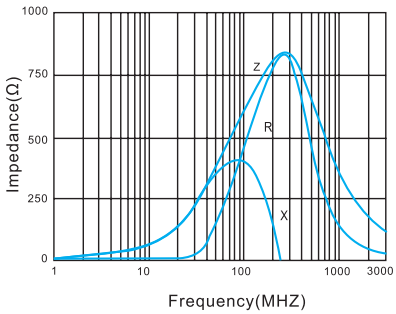


SKCB1005-601



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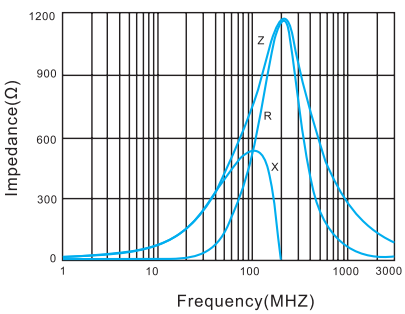
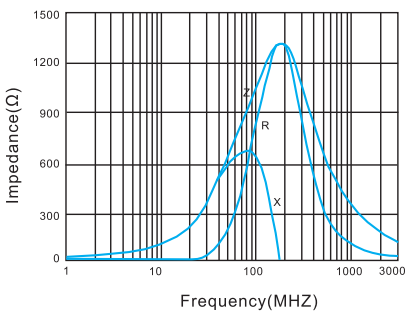
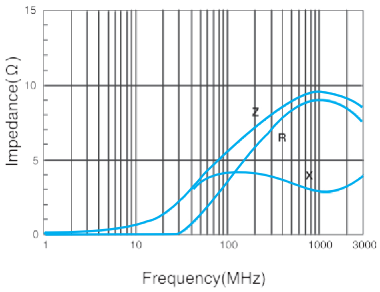


SKCB1005-102



SKCB1608 TYPE

SKCB1608-110



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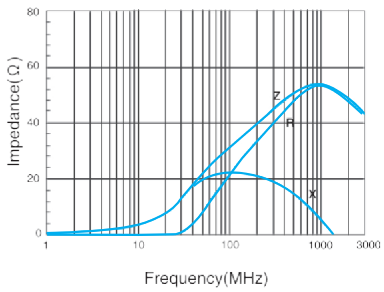

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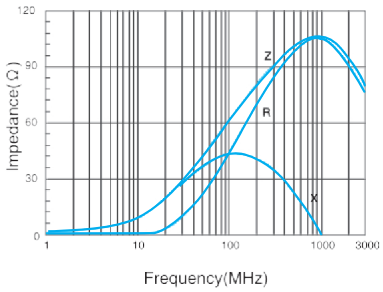

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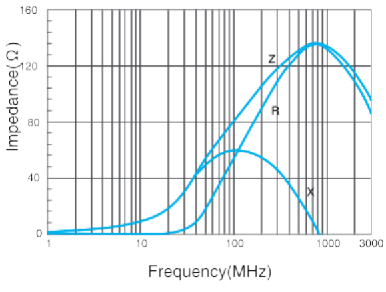

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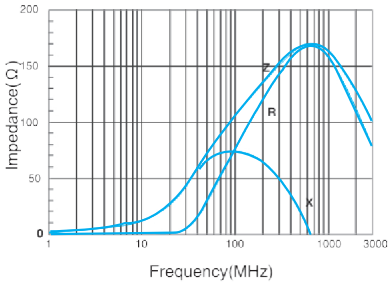

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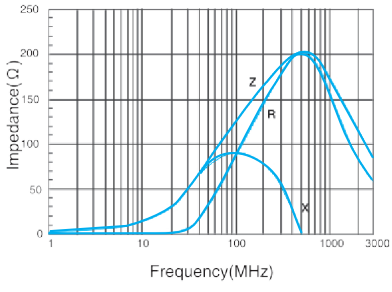

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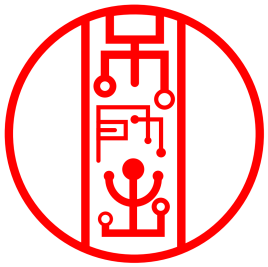

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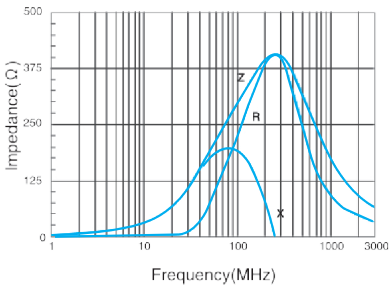

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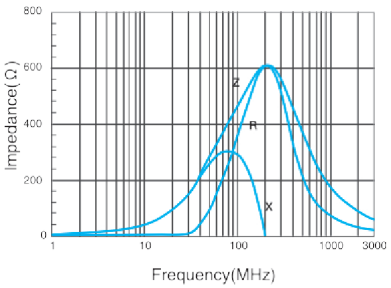

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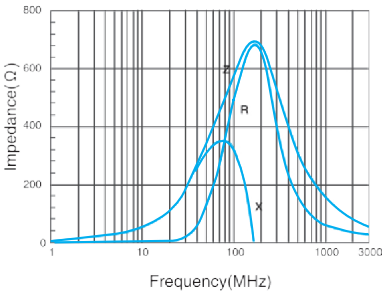

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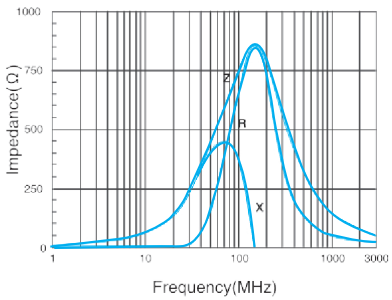
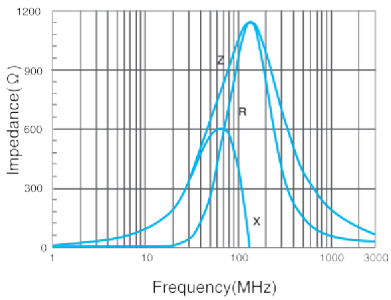
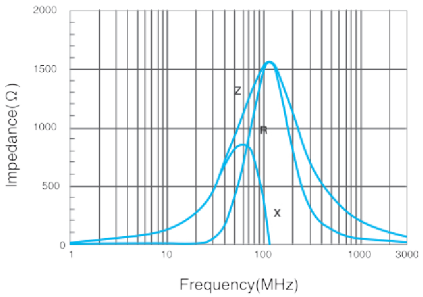


SKCB1608-102



SKCB1608-152



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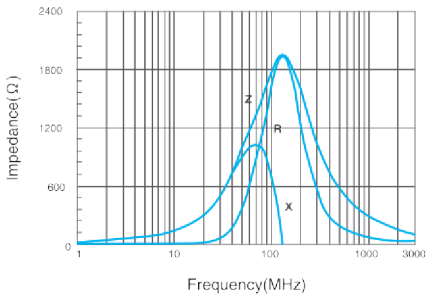
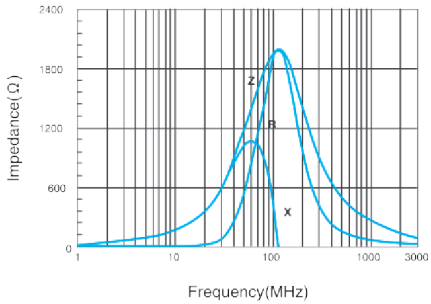
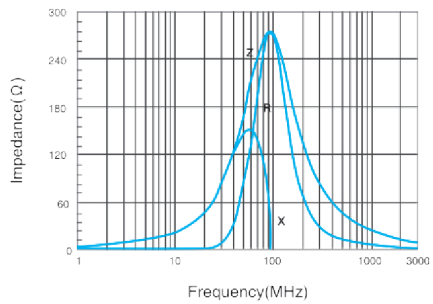


SKCB1608-202

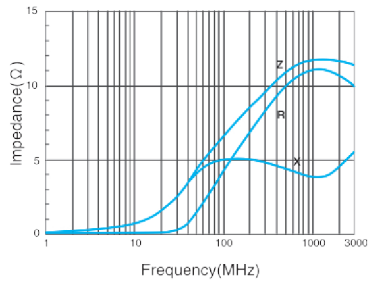


SKCB1608-222



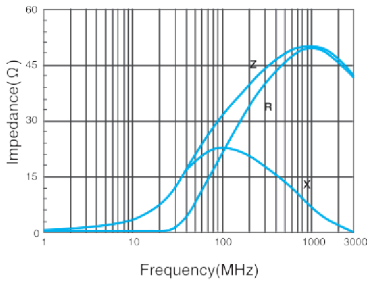
SKCB2012 TYPE

SKCB2012-070

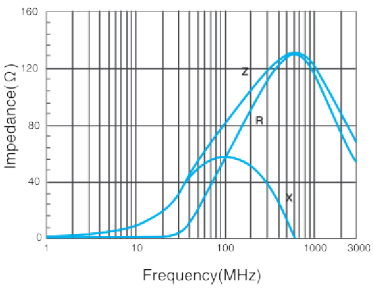


SKCB2012-190

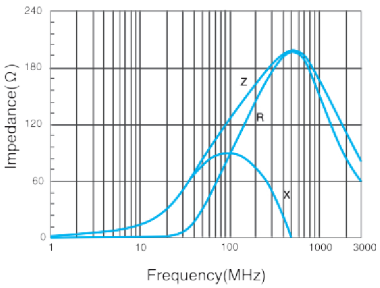
SKCB2012-300



SKCB2012-800



SKCB2012-121



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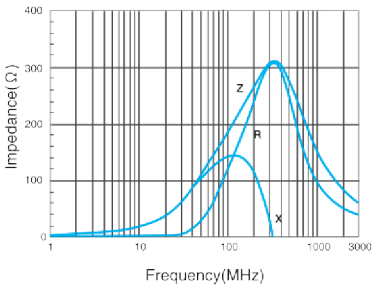
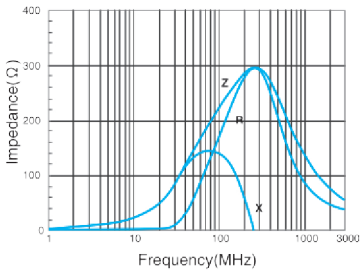
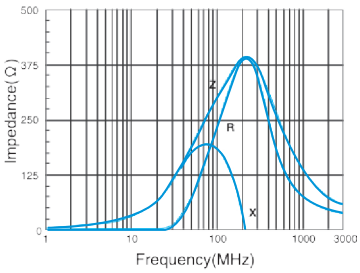


SKCB2012-221



SKCB2012-301



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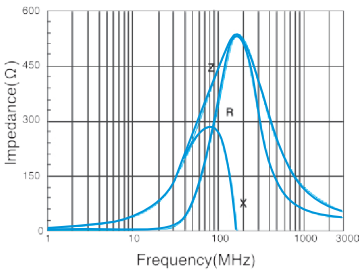

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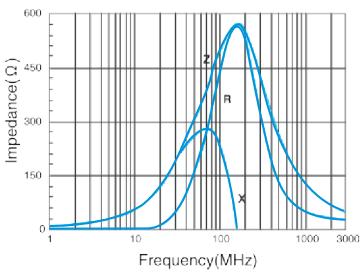

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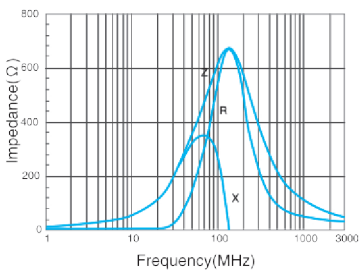

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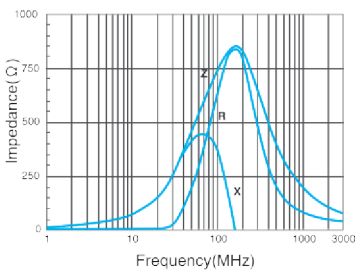

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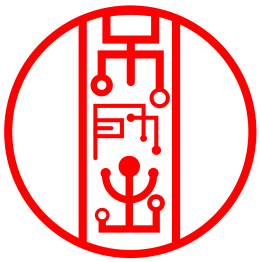

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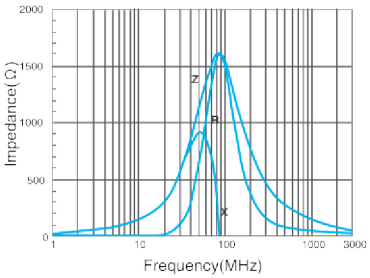

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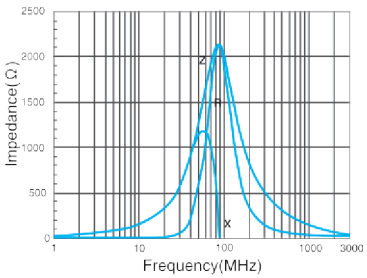
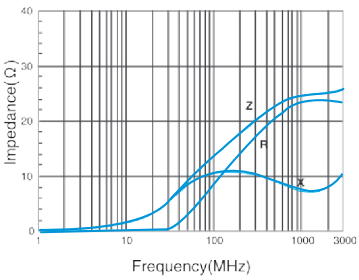


SKCB3216 TYPE

SKCB3216-000



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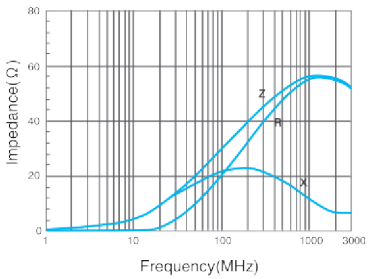

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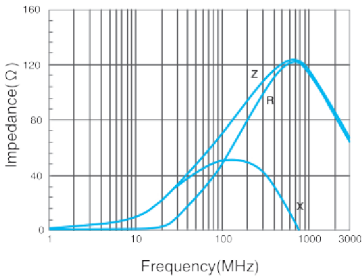

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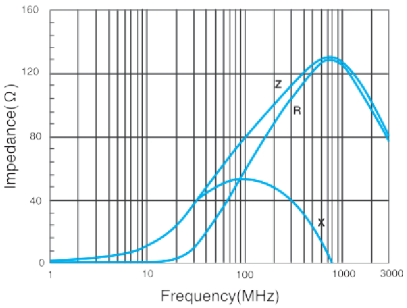

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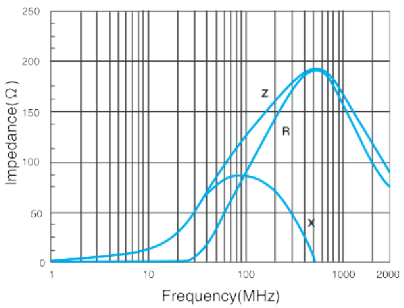

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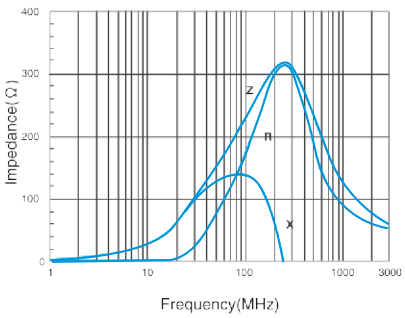

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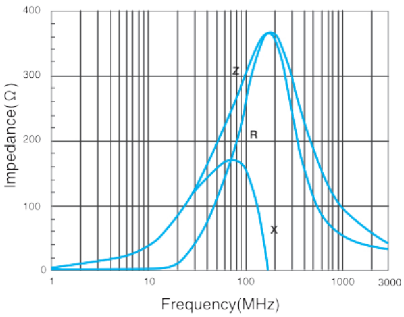

SKCB3216-501

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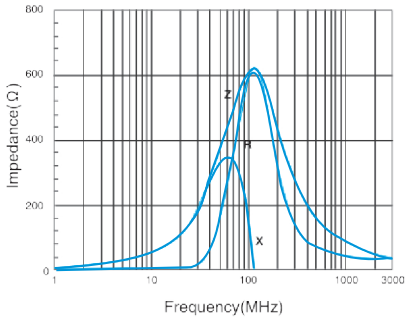
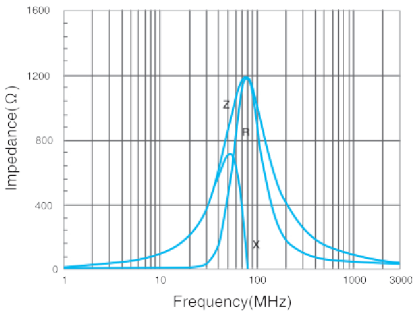
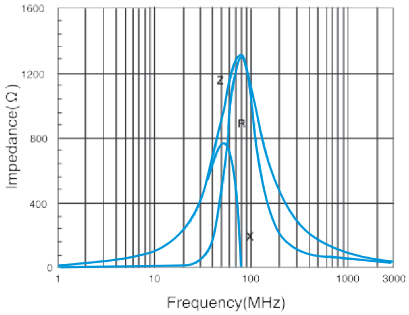


SKCB3216-102



SKCB3216-122