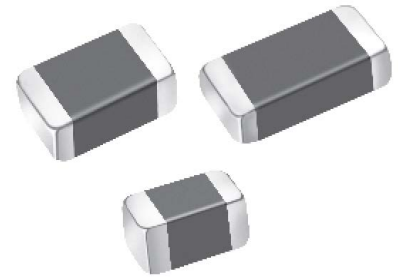


# SKCB Series

## Multilayer Chip Ferrite Bead

### FEATURES

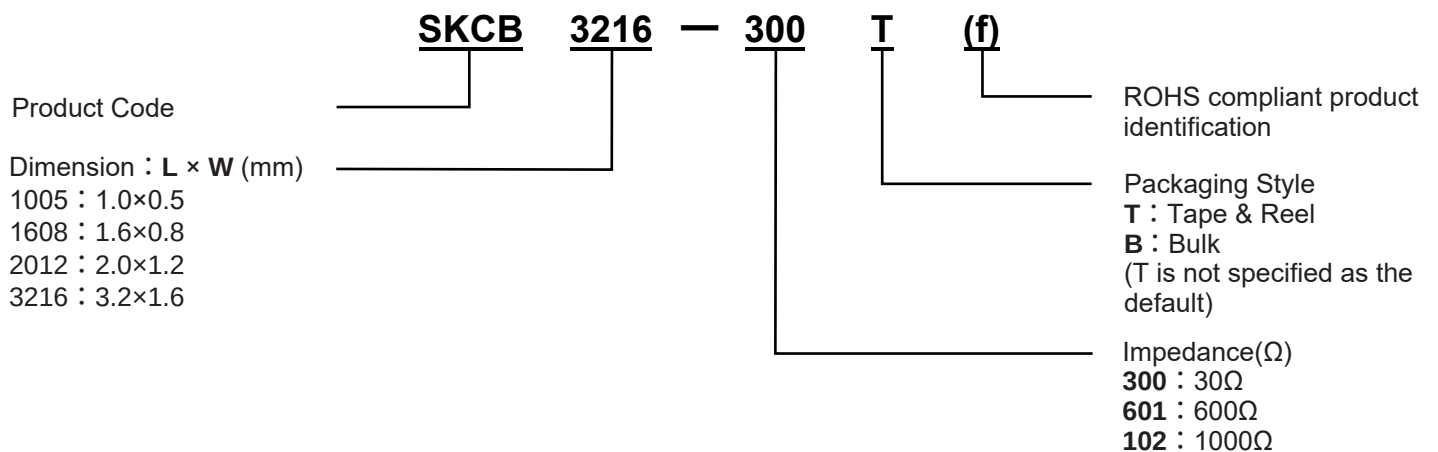
- Use a variety of materials and technology to suppress noise
- Suppression and elimination of electromagnetic/RF interference over a wide frequency range
- Using magnetic shielding structure, crosstalk will not occur between circuits, and high-density installation can be achieved
- No need to ground,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



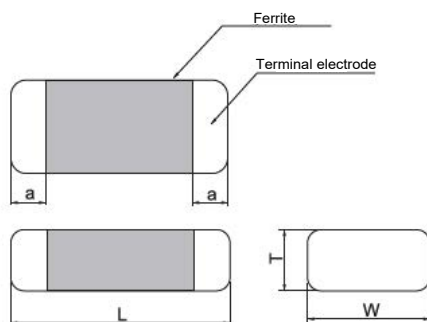
### APPLICATIONS

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

### PRODUCT IDENTIFICATION



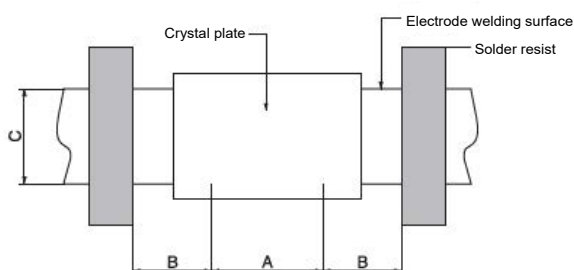
### STANDARD EXTERNAL DIMENSIONS



Unit: mm

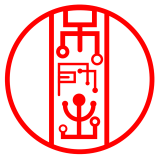
| specification | dimensions |          |          |           |
|---------------|------------|----------|----------|-----------|
|               | L          | W        | T        | a         |
| SKCB1005      | 1.0±0.15   | 0.5±0.15 | 0.5±0.15 | 0.25±0.15 |
| SKCB1608      | 1.6±0.15   | 0.8±0.15 | 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        | $\Omega$  | MHz/V            | $\Omega$           | mA                 | mm        |
| Symbol       | Z         | Freq.            | DCR                | I <sub>r</sub>     | 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        | $\Omega$  | MHz/V            | $\Omega$           | mA                 | mm        |
| Symbol       | Z         | Freq.            | DCR                | I <sub>r</sub>     | 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               |           |



## SKCB Series

### SKCB1608 TYPE

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

### SKCB2012 TYPE

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

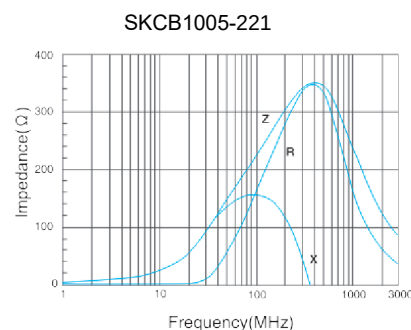
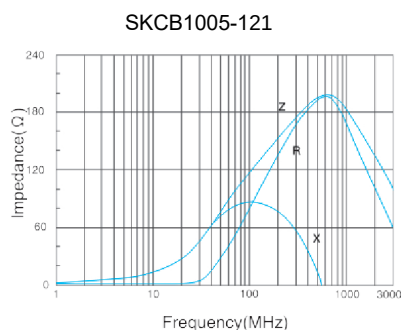
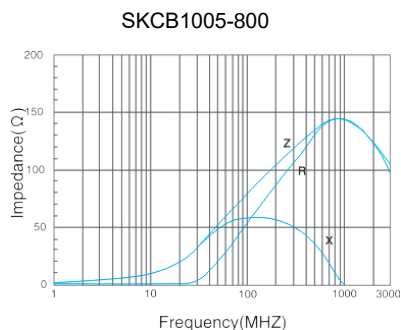
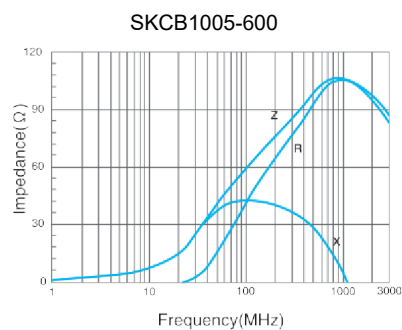
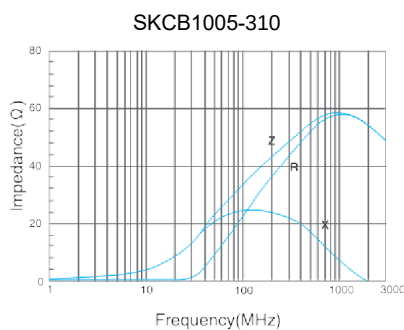
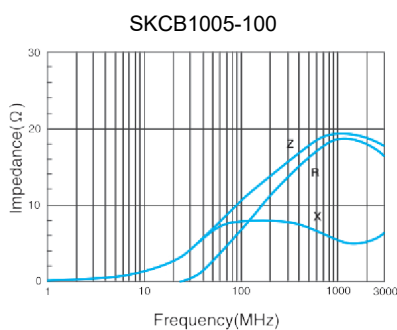


## SKCB3216 TYPE

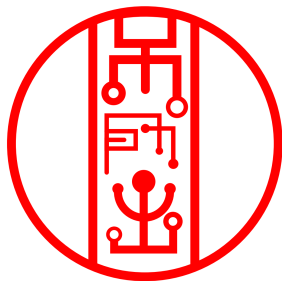
| Part Number  | Impedance | Z Test Frequency | Max. DC Resistance | Max. Rated Current | Thickness |
|--------------|-----------|------------------|--------------------|--------------------|-----------|
| Units        | $\Omega$  | MHz/V            | $\Omega$           | mA                 | mm        |
| Symbol       | Z         | Freq.            | DCR                | I <sub>r</sub>     | 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

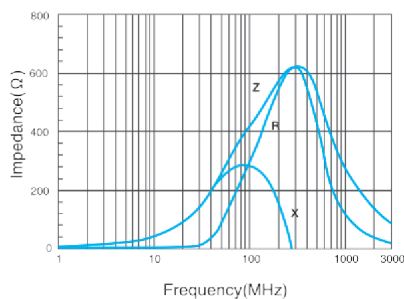
### SKCB1005 TYPE



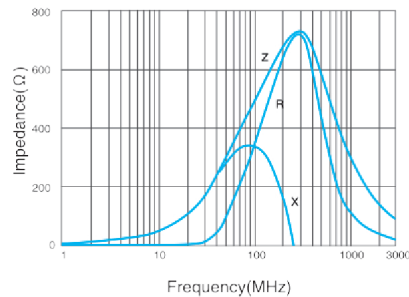
SKCB1005-301



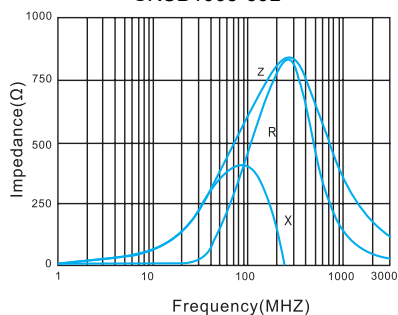
SKCB1005-421



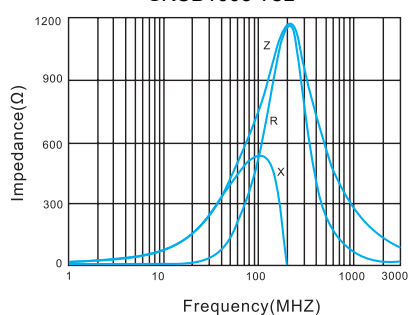
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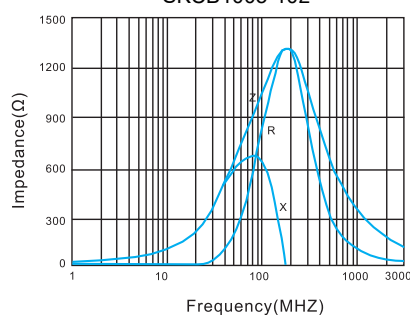
SKCB1005-601



SKCB1005-751

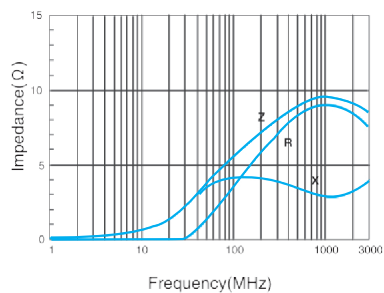


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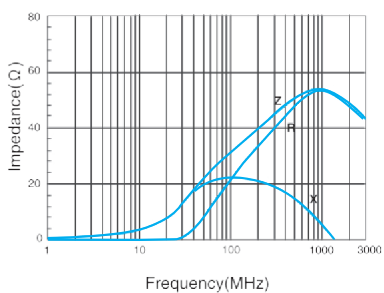


## SKCB1608 TYPE

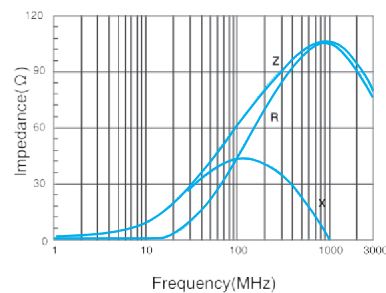
SKCB1608-110



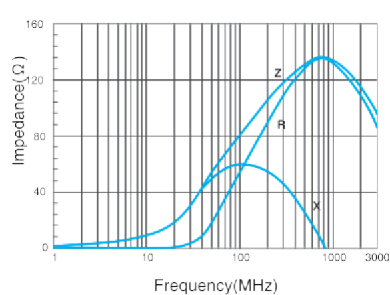
SKCB1608-300



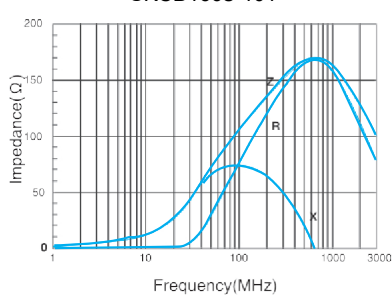
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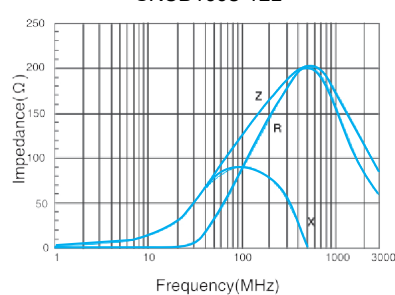
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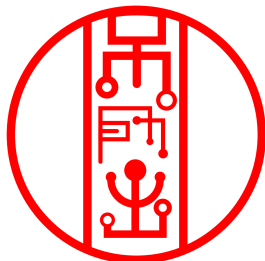
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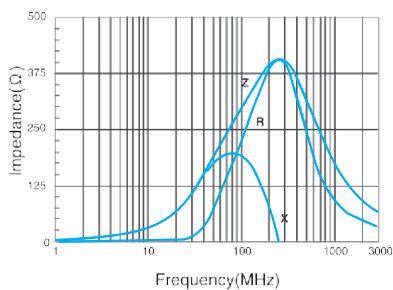
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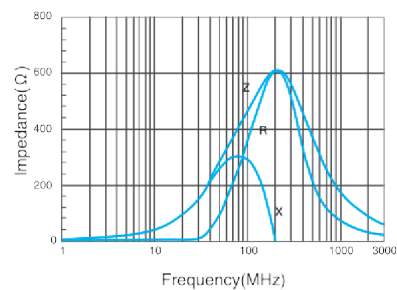
SKCB1608-221



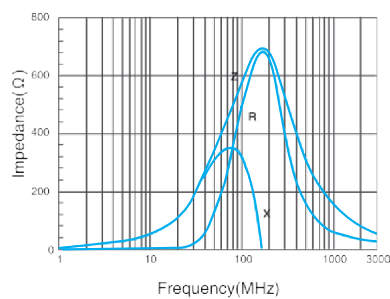
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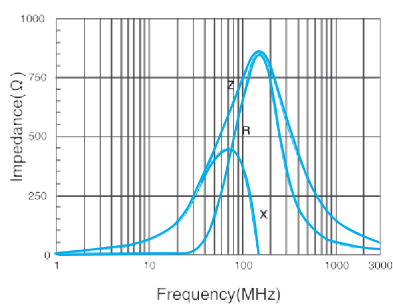
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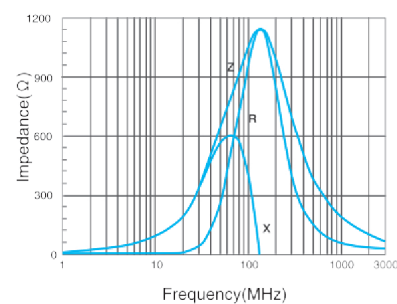
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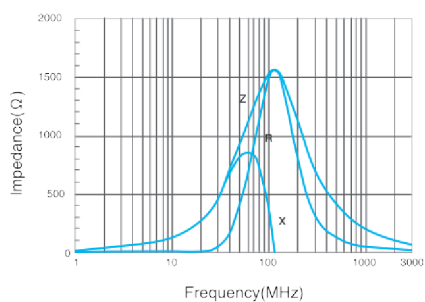
SKCB1608-751



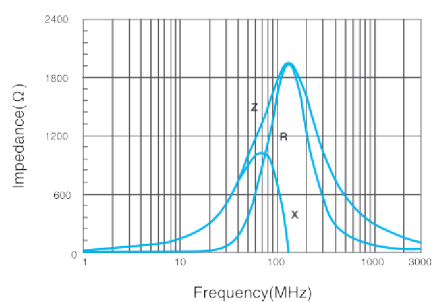
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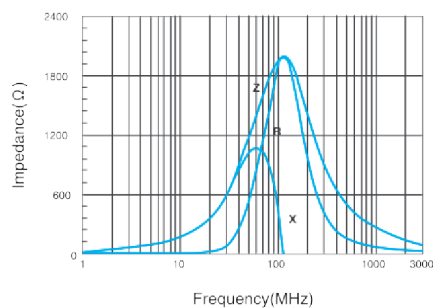
SKCB1608-152



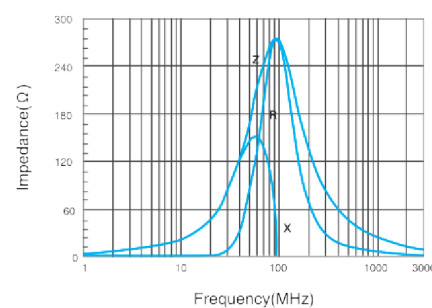
SKCB1608-182



SKCB1608-202

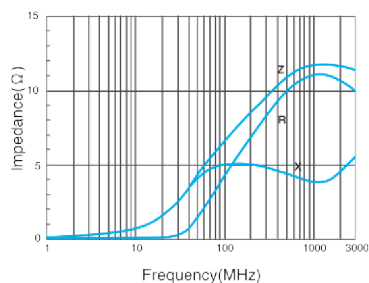


SKCB1608-222

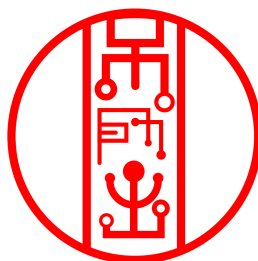


## SKCB2012 TYPE

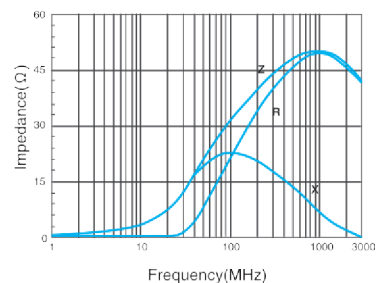
SKCB2012-070



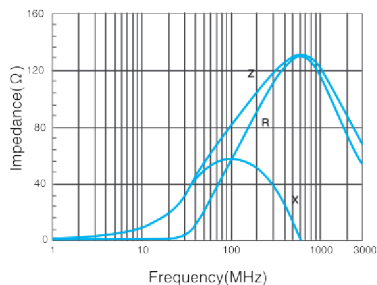
SKCB2012-190



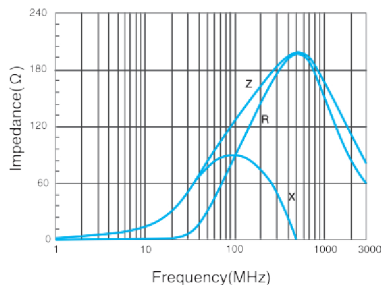
SKCB2012-300



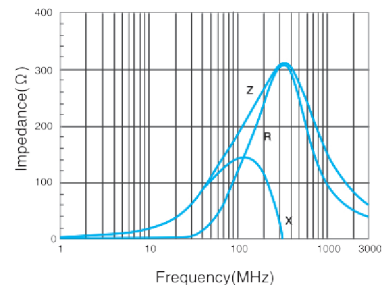
SKCB2012-800



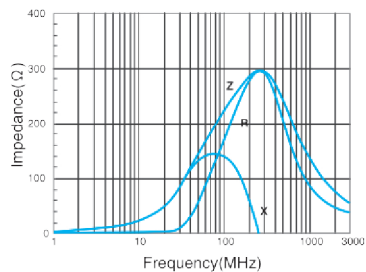
SKCB2012-121



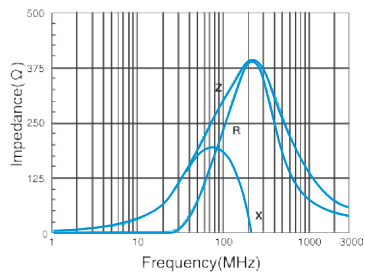
SKCB2012-181



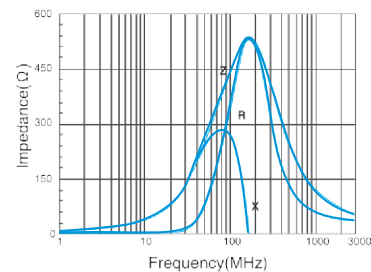
SKCB2012-221



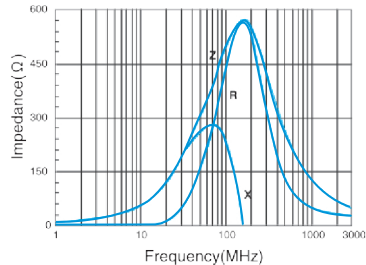
SKCB2012-301



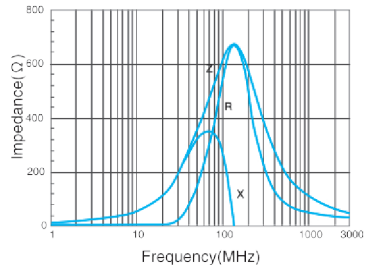
SKCB2012-421



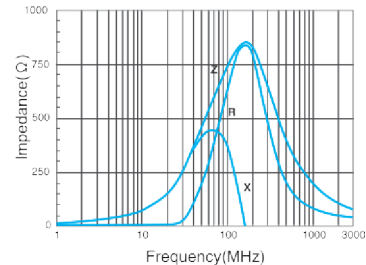
SKCB2012-501



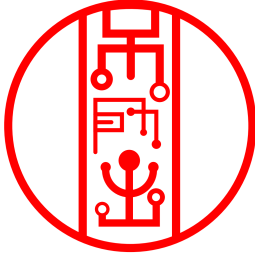
SKCB2012-601



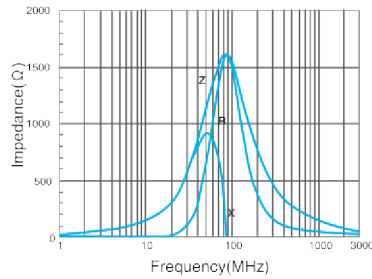
SKCB2012-751



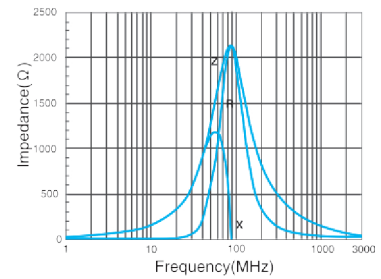
SKCB2012-102



SKCB2012-152

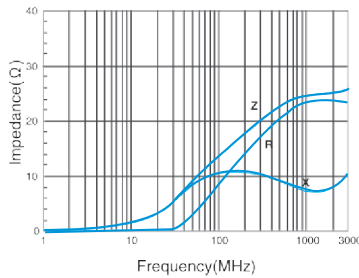


SKCB2012-202

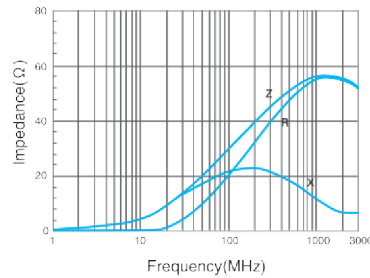


## SKCB3216 TYPE

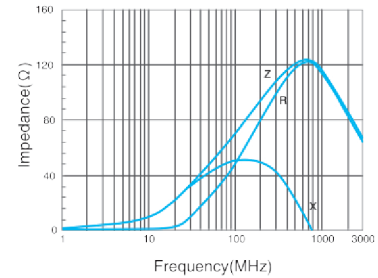
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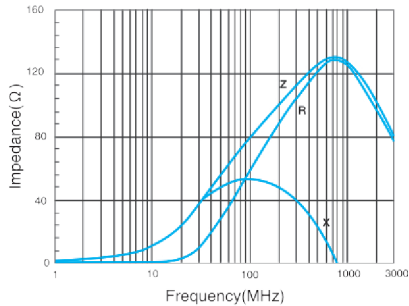
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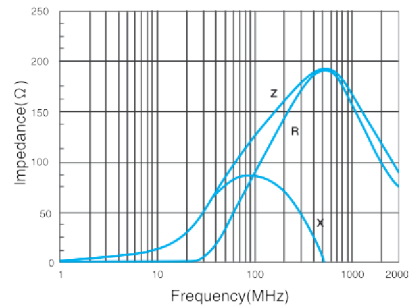
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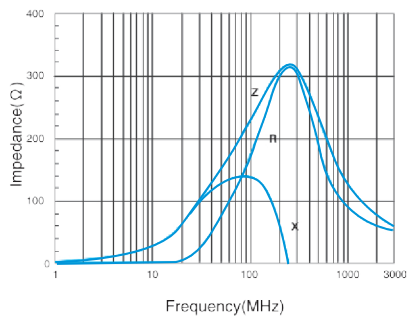
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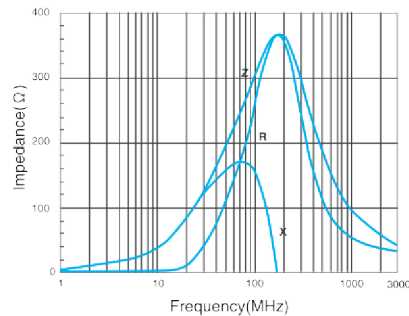
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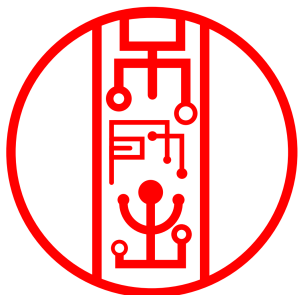
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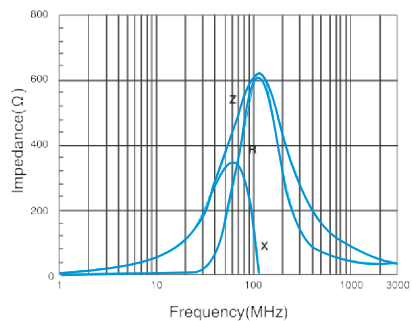
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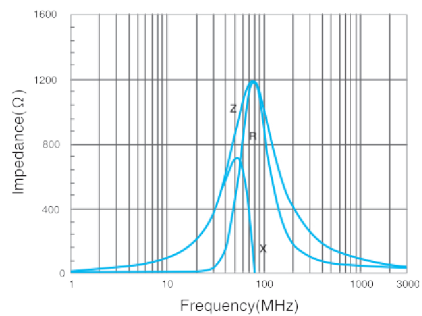
SKCB3216-501



SKCB3216-601



SKCB3216-102



SKCB3216-122

