

Chip Ferrite Beads

Features

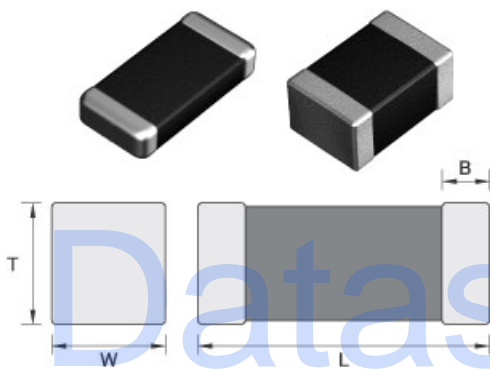
1. Good Reliability(Monolithic Structure)
2. High Impedance Characteristics
3. Flow/Reflow Solder Application

Applications

1. Computer and its Peripherals
2. I/O Port, DC Power Lines, Signal Lines
3. Digital TV/VCR
4. OA Electronic Equipment

Shape & Dimensions

(Unit : mm)



| Model | L | W | T | B |
|--------|----------|----------|----------------------|----------|
| CB1005 | 1.0±0.1 | 0.5±0.1 | 0.5±0.1 | 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 | 1.25±0.2 | 0.85±0.2 1.25±0.2 | 0.5±0.3 |
| CB3216 | 3.2±0.2 | 1.6±0.2 | 1.1±0.2 | 0.5±0.3 |
| CB2520 | 2.5±0.2 | 2.0±0.2 | 1.0 Max. | 0.5±0.3 |
| CB3225 | 3.2±0.2 | 2.5±0.2 | 1.0 Max. | 0.5±0.3 |

How to Order(Product Identification)

CB 1608 G A 102 T



1 Series Code

CB : Chip Ferrite Beads

2 Dimension Code

The first two digits : Length(mm)
The last two digits : Width(mm)

3 Application Code

G : Signal Line
P : High Power Line
U : Ultra High Power Line

4 Material Code

A : General Frequency
K : Medium Frequency
M : High Frequency

5 Impedance Value Code

The first two digits are significant
The last digit is the number
of zeros following

6 Packaging Code

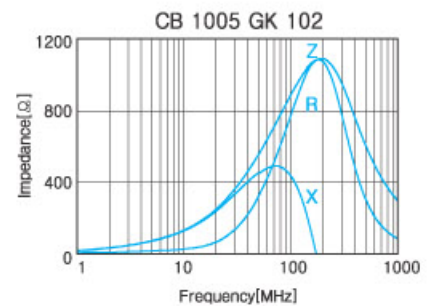
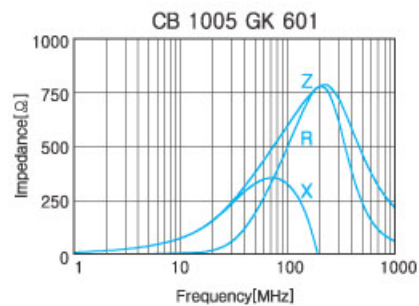
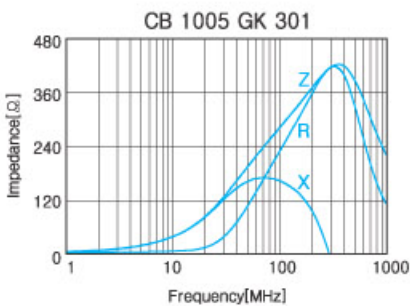
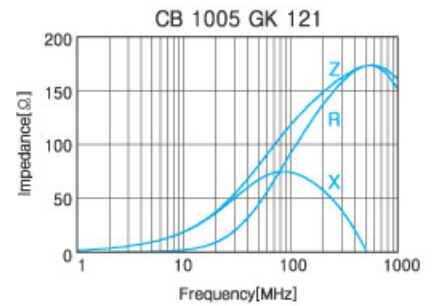
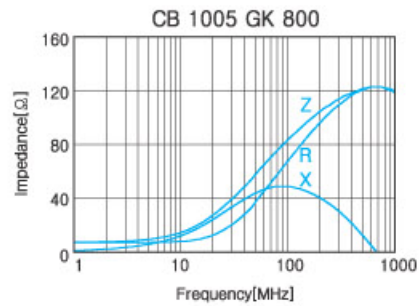
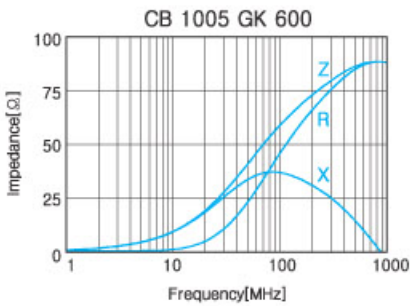
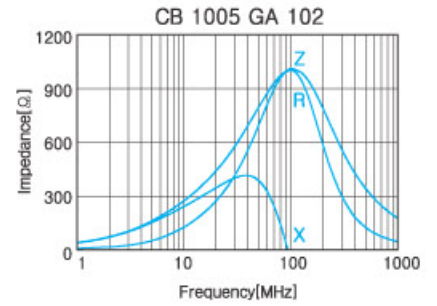
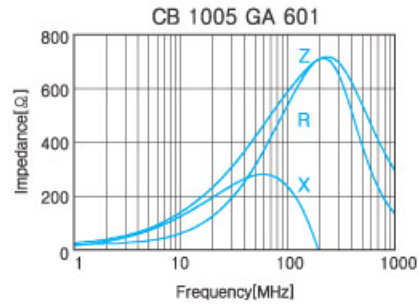
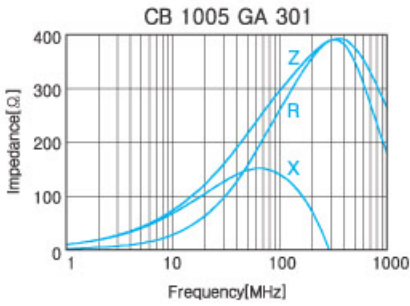
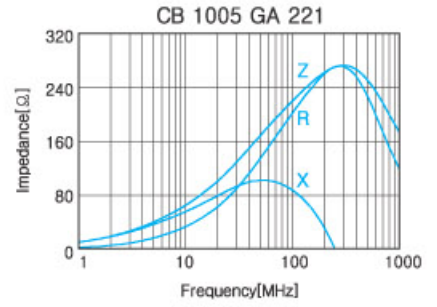
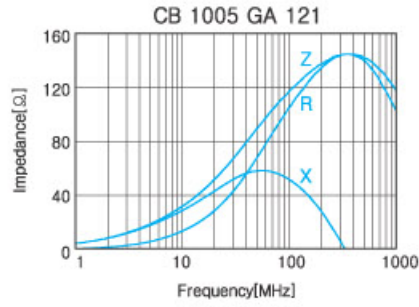
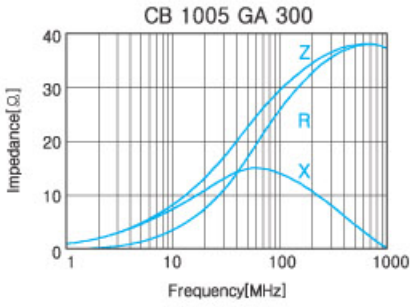
T : Reel Paper Packaging
E : Reel Embossed Tape Packaging
B : Bulk Packaging

Specifications

CB 1005 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB1005GA100 | 10 \pm 25% | 0.10 | 300 | 100 |
| CB1005GA300 | 30 \pm 25% | 0.20 | 300 | |
| CB1005GA400 | 40 \pm 25% | 0.20 | 300 | |
| CB1005GA600 | 60 \pm 25% | 0.40 | 200 | |
| CB1005GA121 | 120 \pm 25% | 0.50 | 200 | |
| CB1005GA221 | 220 \pm 25% | 0.70 | 100 | |
| CB1005GA301 | 301 \pm 25% | 0.70 | 100 | |
| CB1005GA601 | 600 \pm 25% | 1.10 | 50 | |
| CB1005GA102 | 1000 \pm 25% | 1.50 | 50 | |
| CB1005GK300 | 30 \pm 25% | 0.30 | 300 | |
| CB1005GK400 | 40 \pm 25% | 0.20 | 300 | |
| CB1005GK600 | 60 \pm 25% | 0.25 | 300 | |
| CB1005GK800 | 80 \pm 25% | 0.30 | 200 | |
| CB1005GK121 | 120 \pm 25% | 0.30 | 200 | |
| CB1005GK221 | 220 \pm 25% | 0.40 | 200 | |
| CB1005GK301 | 301 \pm 25% | 0.50 | 100 | |
| CB1005GK471 | 470 \pm 25% | 0.60 | 100 | |
| CB1005GK601 | 600 \pm 25% | 0.80 | 80 | |
| CB1005GK102 | 1000 \pm 25% | 1.50 | 50 | |
| CB1005GM300 | 30 \pm 25% | 0.15 | 200 | |
| CB1005GM600 | 60 \pm 25% | 0.30 | 200 | |
| CB1005GM121 | 120 \pm 25% | 0.40 | 150 | |
| CB1005GM221 | 220 \pm 25% | 0.60 | 100 | |
| CB1005GM301 | 300 \pm 25% | 0.80 | 50 | |
| CB1005GM471 | 470 \pm 25% | 1.0 | 50 | |
| CB1005GM601 | 600 \pm 25% | 1.0 | 50 | |

Electrical Characteristics

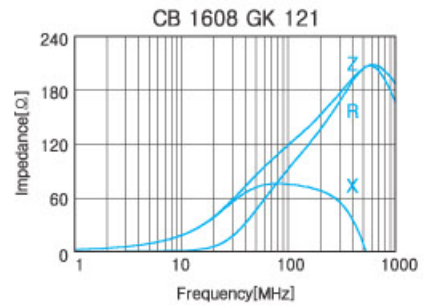
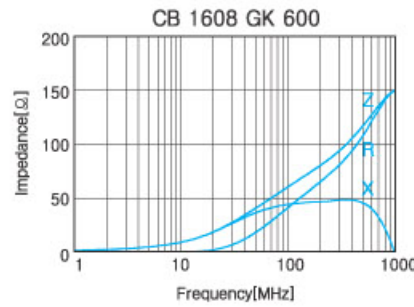
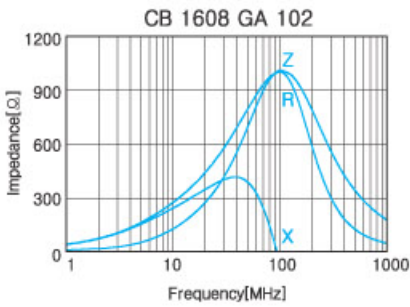
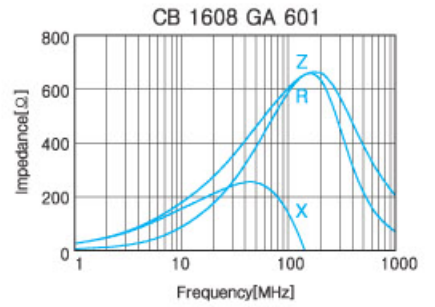
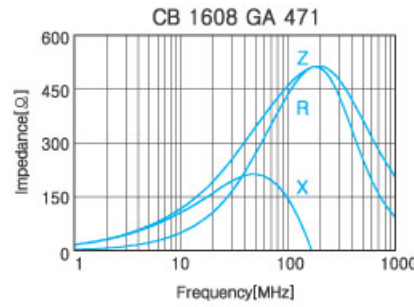
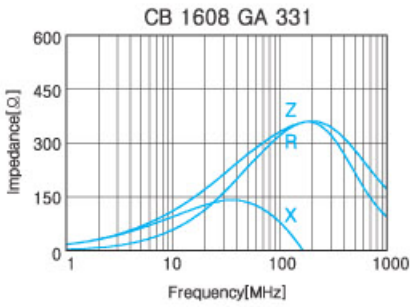
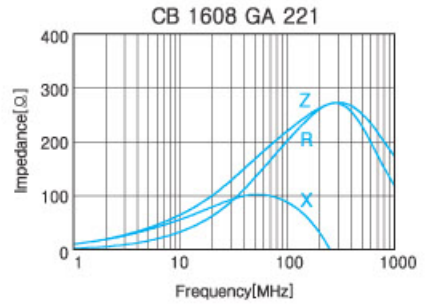
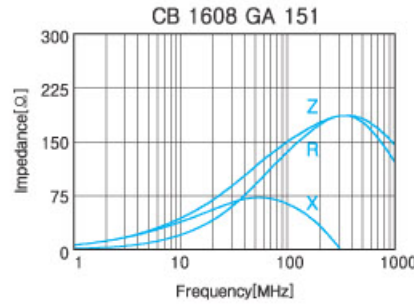
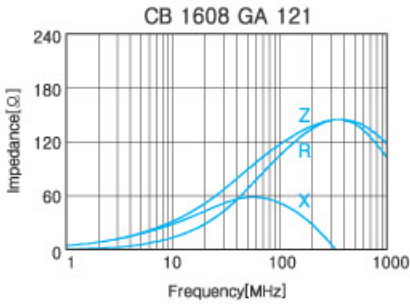
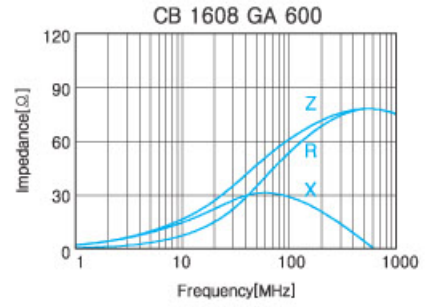
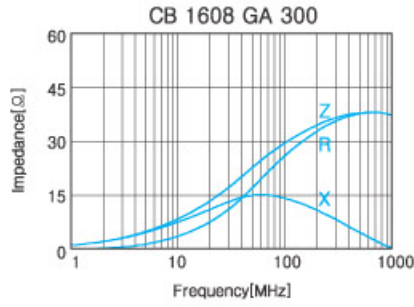
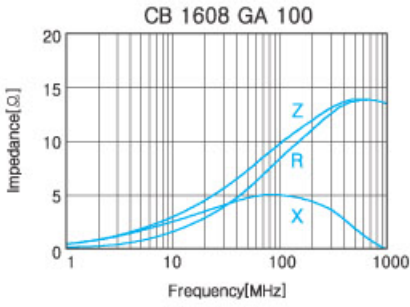


Specifications

CB 1608 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB1608GA100 | 10 \pm 25% | 0.05 | 500 | 100 |
| CB1608GA300 | 30 \pm 25% | 0.08 | 500 | |
| CB1608GA600 | 60 \pm 25% | 0.15 | 200 | |
| CB1608GA121 | 120 \pm 25% | 0.20 | 200 | |
| CB1608GA151 | 150 \pm 25% | 0.25 | 200 | |
| CB1608GA221 | 220 \pm 25% | 0.30 | 200 | |
| CB1608GA331 | 330 \pm 25% | 0.45 | 200 | |
| CB1608GA471 | 470 \pm 25% | 0.50 | 200 | |
| CB1608GA601 | 600 \pm 25% | 0.50 | 200 | |
| CB1608GA102 | 1000 \pm 25% | 0.70 | 100 | |
| CB1608GK600 | 60 \pm 25% | 0.20 | 700 | |
| CB1608GK121 | 120 \pm 25% | 0.25 | 600 | |
| CB1608GK151 | 150 \pm 25% | 0.25 | 600 | |
| CB1608GK221 | 220 \pm 25% | 0.30 | 550 | |
| CB1608GK471 | 470 \pm 25% | 0.45 | 350 | |
| CB1608GK601 | 600 \pm 25% | 0.50 | 350 | |
| CB1608GK102 | 1000 \pm 25% | 0.70 | 200 | |
| CB1608GK202 | 2000 \pm 25% | 1.20 | 150 | |
| CB1608GM300 | 30 \pm 25% | 0.06 | 200 | |
| CB1608GM470 | 47 \pm 25% | 0.08 | 200 | |
| CB1608GM121 | 120 \pm 25% | 0.12 | 200 | |
| CB1608GM221 | 220 \pm 25% | 0.20 | 200 | |
| CB1608GM301 | 300 \pm 25% | 0.30 | 200 | |
| CB1608GM471 | 470 \pm 25% | 0.40 | 200 | |
| CB1608GM601 | 600 \pm 25% | 0.40 | 200 | |
| CB1608GM102 | 1000 \pm 25% | 0.60 | 150 | |

Electrical Characteristics

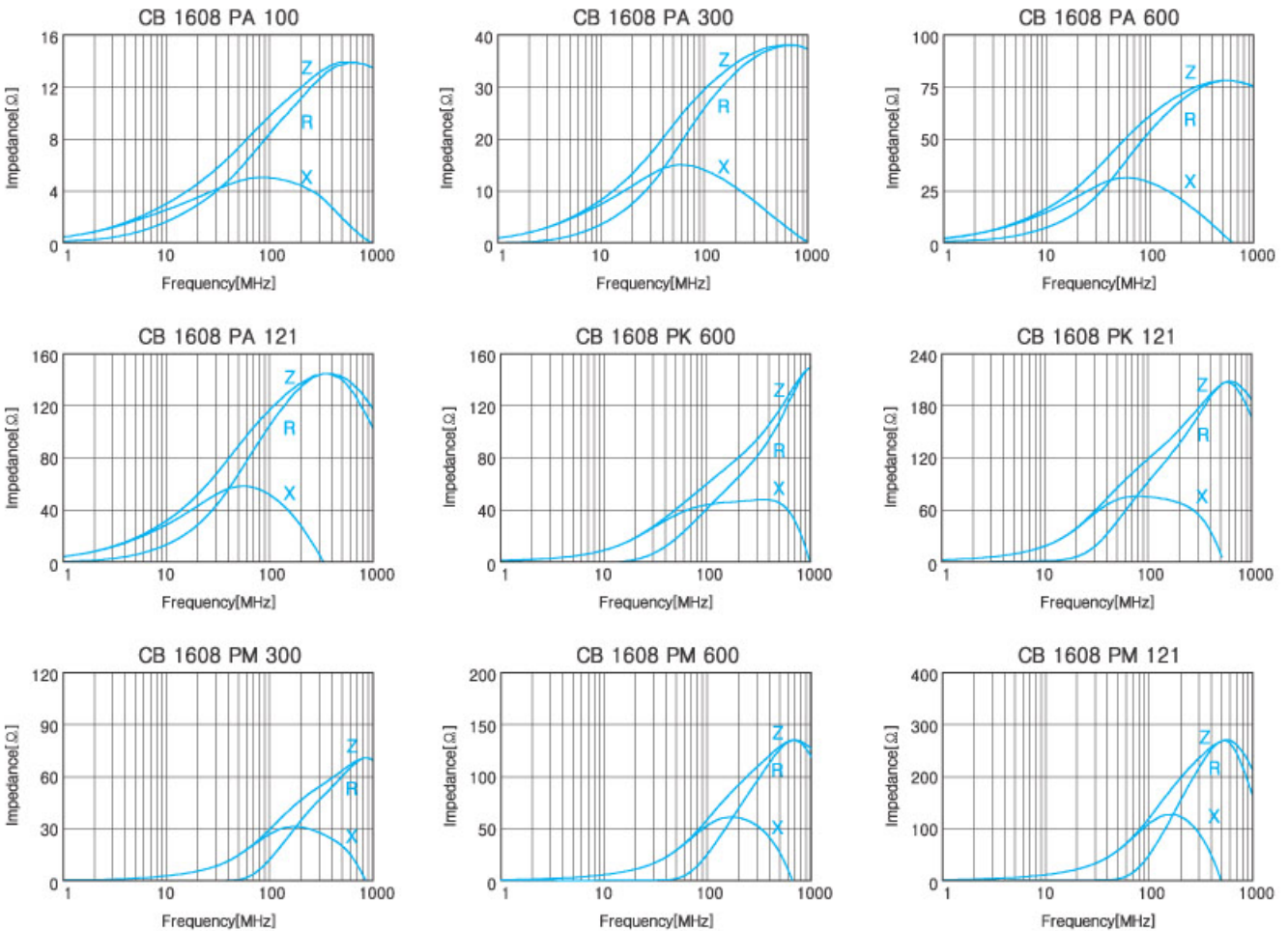


Specifications

CB 1608 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB1608PA100 | 10 \pm 25% | 0.05 | 2000 | 100 |
| CB1608PA300 | 30 \pm 25% | 0.05 | 2000 | |
| CB1608PA600 | 60 \pm 25% | 0.06 | 1500 | |
| CB1608PA121 | 120 \pm 25% | 0.08 | 1500 | |
| CB1608PA181 | 180 \pm 25% | 0.09 | 1500 | |
| CB1608PK100 | 10 \pm 25% | 0.05 | 2000 | |
| CB1608PK300 | 30 \pm 25% | 0.05 | 2000 | |
| CB1608PK600 | 60 \pm 25% | 0.06 | 1500 | |
| CB1608PK121 | 120 \pm 25% | 0.08 | 1500 | |
| CB1608PK181 | 180 \pm 25% | 0.09 | 1500 | |
| CB1608PM300 | 30 \pm 25% | 0.06 | 1500 | |
| CB1608PM600 | 60 \pm 25% | 0.08 | 1000 | |
| CB1608PM121 | 120 \pm 25% | 0.08 | 1000 | |

Electrical Characteristics

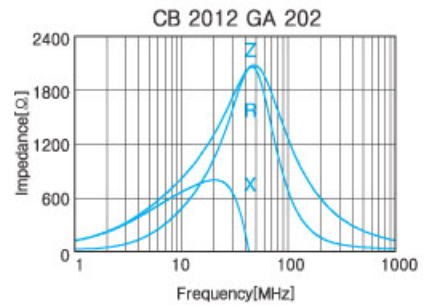
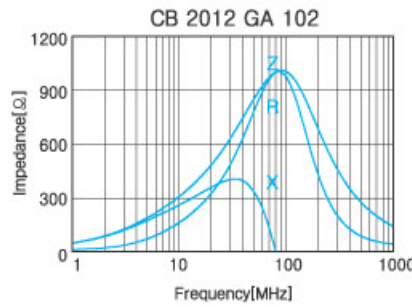
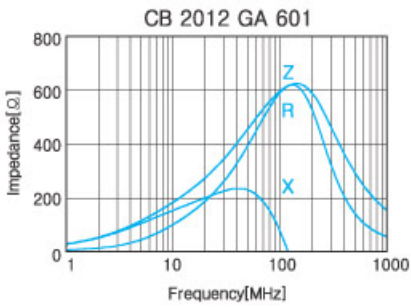
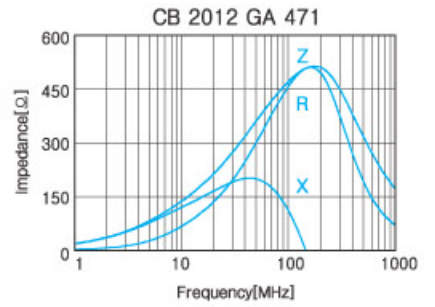
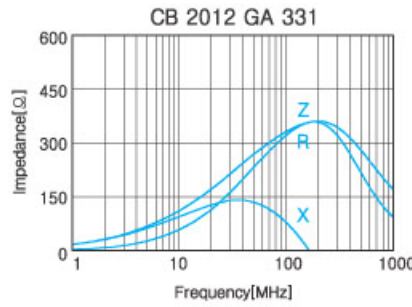
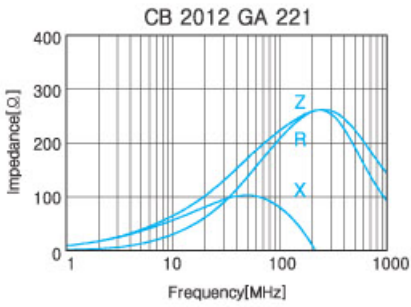
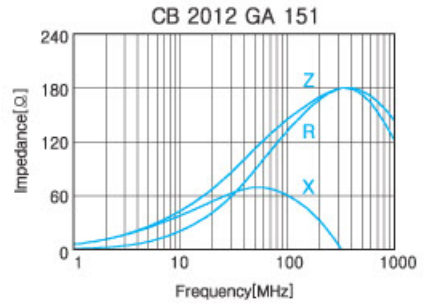
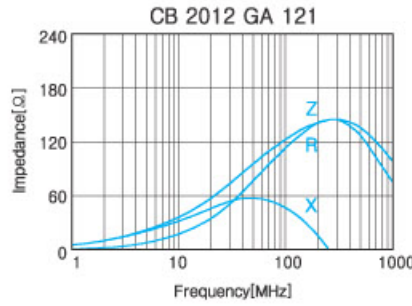
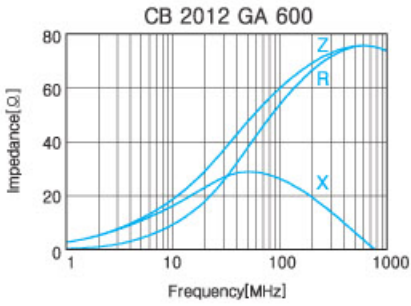
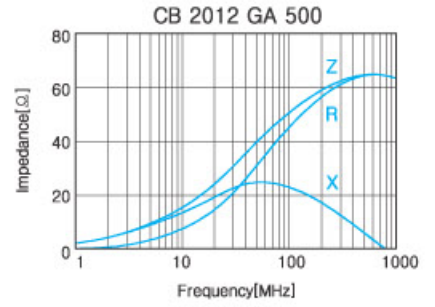
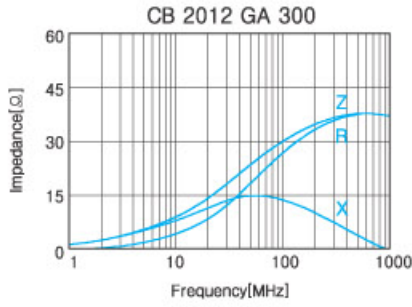
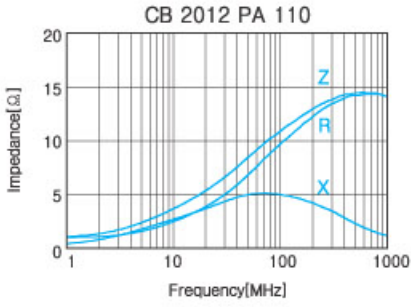


Specifications

CB 2012 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB2012GA100 | 10 \pm 25% | 0.010 | 200 | 100 |
| CB2012GA300 | 30 \pm 25% | 0.025 | 200 | |
| CB2012GA500 | 50 \pm 25% | 0.06 | 200 | |
| CB2012GA600 | 60 \pm 25% | 0.06 | 200 | |
| CB2012GA121 | 120 \pm 25% | 0.15 | 200 | |
| CB2012GA151 | 150 \pm 25% | 0.15 | 200 | |
| CB2012GA221 | 220 \pm 25% | 0.20 | 200 | |
| CB2012GA331 | 330 \pm 25% | 0.25 | 200 | |
| CB2012GA471 | 470 \pm 25% | 0.25 | 200 | |
| CB2012GA601 | 600 \pm 25% | 0.30 | 200 | |
| CB2012GA102 | 1000 \pm 25% | 0.45 | 200 | |
| CB2012GA202 | 2000 \pm 25% | 0.60 | 150 | |
| CB2012GA402 | 4000 \pm 25% | 1.50 | 50 | 30 |
| CB2012GK121 | 120 \pm 25% | 0.20 | 800 | 100 |
| CB2012GK151 | 150 \pm 25% | 0.20 | 800 | |
| CB2012GK221 | 220 \pm 25% | 0.30 | 750 | |
| CB2012GK301 | 300 \pm 25% | 0.30 | 700 | |
| CB2012GK471 | 470 \pm 25% | 0.35 | 700 | |
| CB2012GK601 | 600 \pm 25% | 0.40 | 500 | |
| CB2012GK102 | 1000 \pm 25% | 0.45 | 400 | 100 |
| CB2012GK202 | 2000 \pm 25% | 0.60 | 150 | 40 |
| CB2012GM050 | 5 \pm 25% | 0.03 | 500 | 100 |
| CB2012GM300 | 30 \pm 25% | 0.05 | 300 | |
| CB2012GM600 | 60 \pm 25% | 0.08 | 300 | |
| CB2012GM800 | 80 \pm 25% | 0.08 | 300 | |
| CB2012GM121 | 120 \pm 25% | 0.10 | 300 | |
| CB2012GM151 | 150 \pm 25% | 0.12 | 300 | |
| CB2012GM221 | 220 \pm 25% | 0.12 | 300 | |
| CB2012GM301 | 300 \pm 25% | 0.15 | 300 | |
| CB2012GM451 | 450 \pm 25% | 0.25 | 300 | |
| CB2012GM601 | 600 \pm 25% | 0.25 | 300 | |
| CB2012GM102 | 1000 \pm 25% | 0.30 | 300 | |

Electrical Characteristics

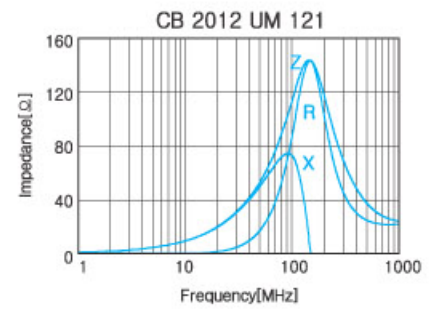
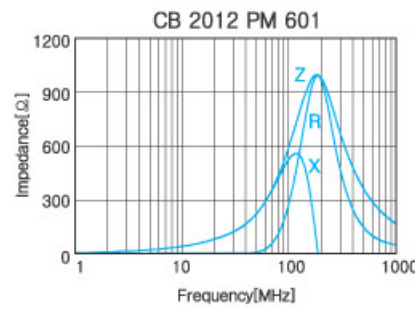
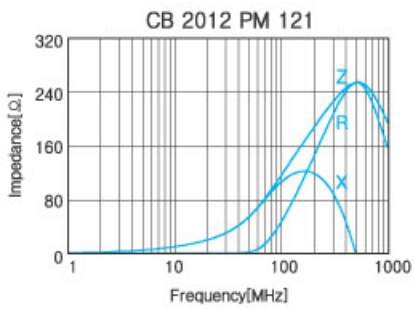
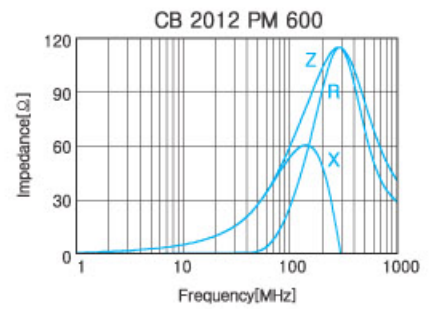
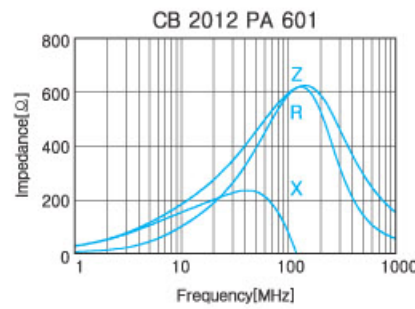
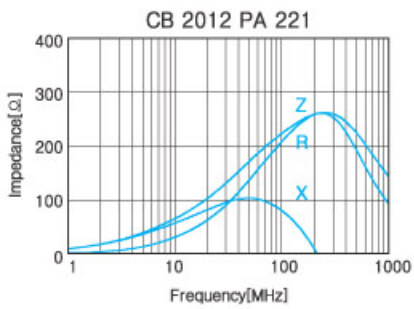
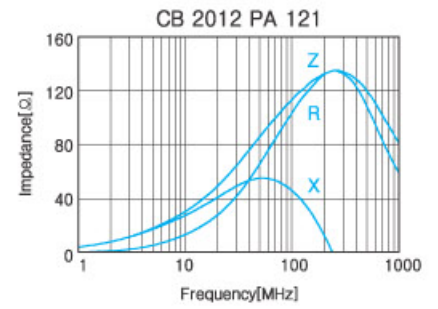
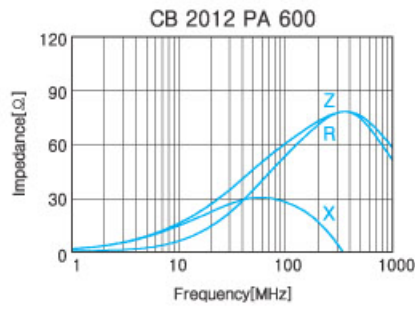
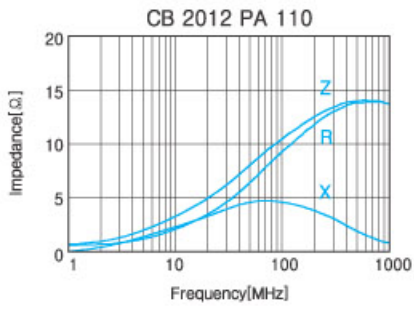


Specifications

CB 2012 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB2012PA110 | 11 \pm 25% | 0.007 | 3000 | 100 |
| CB2012PA300 | 30 \pm 25% | 0.015 | 3000 | |
| CB2012PA500 | 50 \pm 25% | 0.025 | 3000 | |
| CB2012PA600 | 60 \pm 25% | 0.025 | 3000 | |
| CB2012PA121 | 120 \pm 25% | 0.050 | 2500 | |
| CB2012PA221 | 220 \pm 25% | 0.050 | 2000 | |
| CB2012PA601 | 600 \pm 25% | 0.130 | 1500 | |
| CB2012PK110 | 11 \pm 25% | 0.007 | 3000 | |
| CB2012PK300 | 30 \pm 25% | 0.015 | 3000 | |
| CB2012PK500 | 50 \pm 25% | 0.025 | 3000 | |
| CB2012PK600 | 60 \pm 25% | 0.025 | 3000 | |
| CB2012PK121 | 120 \pm 25% | 0.050 | 2500 | |
| CB2012PK181 | 180 \pm 25% | 0.050 | 2000 | |
| CB2012PK221 | 220 \pm 25% | 0.050 | 2000 | |
| CB2012PK301 | 300 \pm 25% | 0.07 | 2000 | |
| CB2012PK601 | 600 \pm 25% | 0.130 | 1500 | |
| CB2012PK102 | 1000 \pm 25% | 0.250 | 1000 | |
| CB2012PK202 | 2000 \pm 25% | 0.300 | 500 | |
| CB2012PM600 | 60 \pm 25% | 0.020 | 3000 | 100 |
| CB2012PM800 | 80 \pm 25% | 0.040 | 3000 | |
| CB2012PM121 | 120 \pm 25% | 0.050 | 2500 | |
| CB2012PM221 | 220 \pm 25% | 0.050 | 2000 | |
| CB2012PM301 | 300 \pm 25% | 0.070 | 2000 | |
| CB2012PM601 | 600 \pm 25% | 0.130 | 1500 | |
| CB2012UA600 | 60 \pm 25% | 0.020 | 5000 | |
| CB2012UA101 | 100 \pm 25% | 0.020 | 4000 | |
| CB2012UA121 | 120 \pm 25% | 0.020 | 4000 | |
| CB2012UM600 | 60 \pm 25% | 0.020 | 5000 | |
| CB2012UM800 | 80 \pm 25% | 0.020 | 5000 | |
| CB2012UM121 | 120 \pm 25% | 0.020 | 5000 | |

Electrical Characteristics

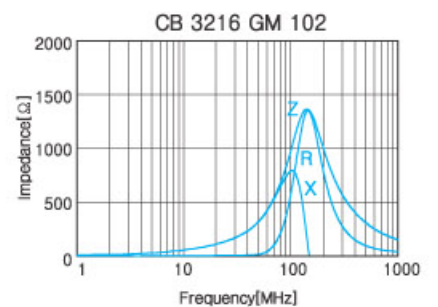
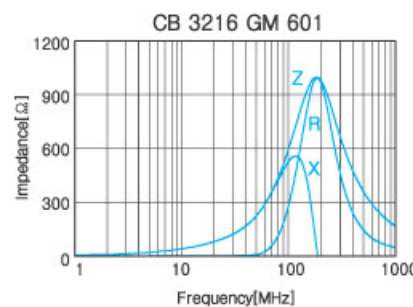
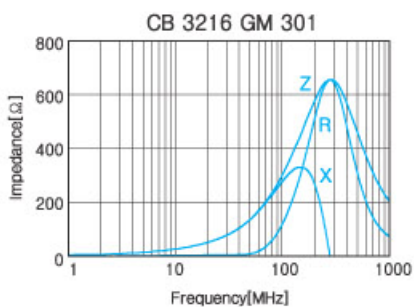
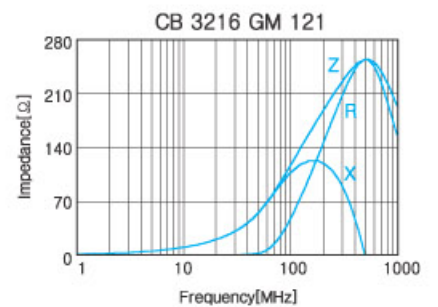
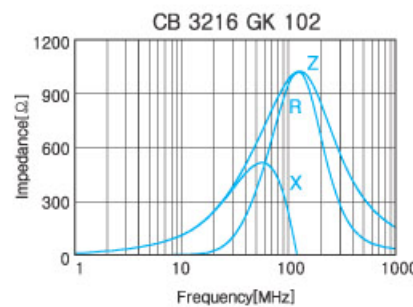
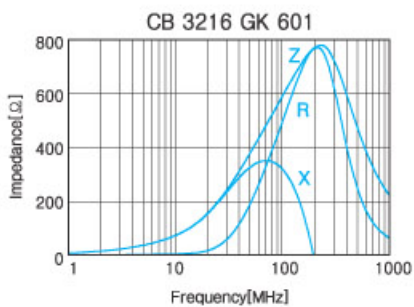
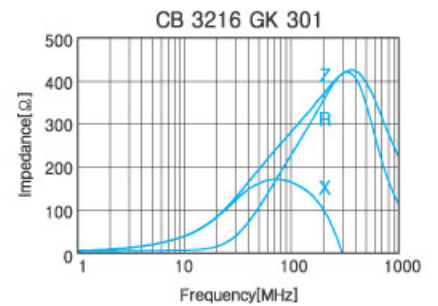
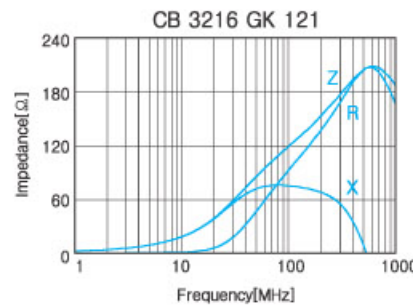
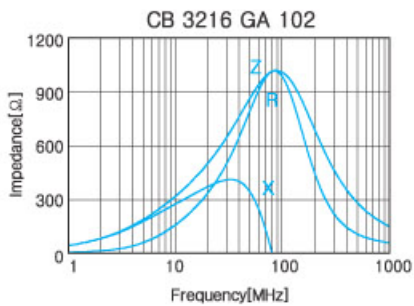
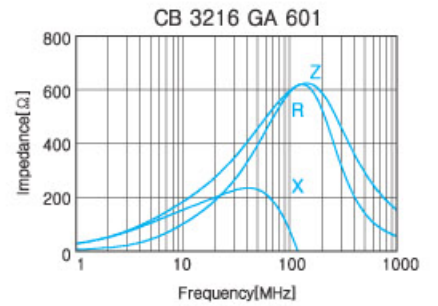
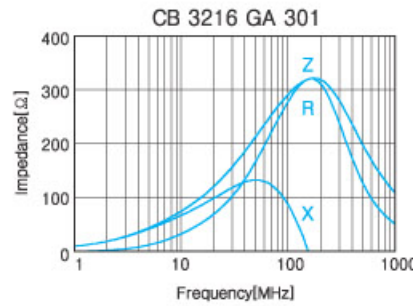
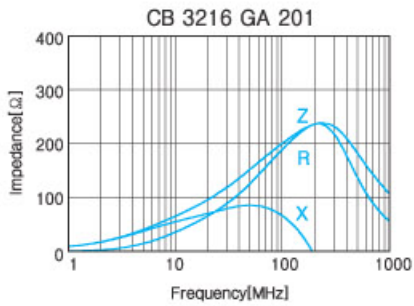
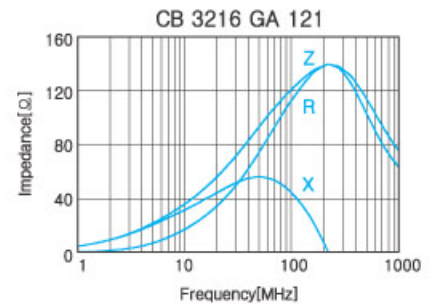
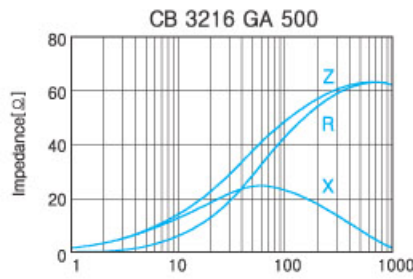
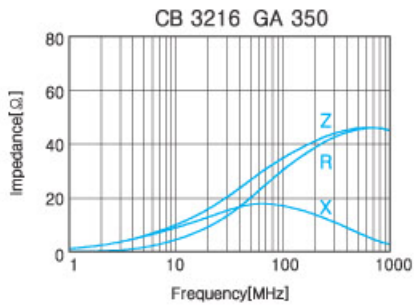


Specifications

CB 3216 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB3216GA350 | 35 \pm 25% | 0.02 | 600 | 100 |
| CB3216GA500 | 50 \pm 25% | 0.03 | 600 | |
| CB3216GA600 | 60 \pm 25% | 0.04 | 600 | |
| CB3216GA121 | 120 \pm 25% | 0.05 | 300 | |
| CB3216GA151 | 150 \pm 25% | 0.05 | 300 | |
| CB3216GA201 | 200 \pm 25% | 0.08 | 300 | |
| CB3216GA301 | 300 \pm 25% | 0.09 | 200 | |
| CB3216GA601 | 600 \pm 25% | 0.20 | 200 | |
| CB3216GA102 | 1000 \pm 25% | 0.25 | 200 | |
| CB3216GK121 | 120 \pm 25% | 0.15 | 900 | |
| CB3216GK151 | 150 \pm 25% | 0.15 | 900 | |
| CB3216GK221 | 220 \pm 25% | 0.35 | 700 | |
| CB3216GK301 | 300 \pm 25% | 0.35 | 700 | |
| CB3216GK471 | 470 \pm 25% | 0.35 | 400 | |
| CB3216GK601 | 600 \pm 25% | 0.40 | 400 | |
| CB3216GK102 | 1000 \pm 25% | 0.60 | 300 | |
| CB3216GM121 | 120 \pm 25% | 0.05 | 300 | |
| CB3216GM151 | 150 \pm 25% | 0.05 | 300 | |
| CB3216GM201 | 200 \pm 25% | 0.08 | 300 | |
| CB3216GM301 | 300 \pm 25% | 0.09 | 200 | |
| CB3216GM601 | 600 \pm 25% | 0.20 | 200 | |
| CB3216GM102 | 1000 \pm 25% | 0.25 | 200 | |

Electrical Characteristics



Specifications

CB 3216 Series

| Part No. | Impedance(Ω) | DC Resistance(Ω) Max. | Rated Current(mA) Max. | Test Frequency(MHz) |
|-------------|-----------------------|--------------------------------|------------------------|---------------------|
| CB3216PA310 | 31 \pm 25% | 0.03 | 3000 | 100 |
| CB3216PA350 | 35 \pm 25% | 0.03 | 3000 | |
| CB3216PA500 | 50 \pm 25% | 0.03 | 3000 | |
| CB3216PA600 | 60 \pm 25% | 0.03 | 3000 | |
| CB3216PA101 | 100 \pm 25% | 0.03 | 3000 | |
| CB3216PA121 | 120 \pm 25% | 0.03 | 3000 | |
| CB3216PA301 | 300 \pm 25% | 0.06 | 2500 | |
| CB3216PA501 | 500 \pm 25% | 0.06 | 2500 | |
| CB3216PA601 | 600 \pm 25% | 0.06 | 2500 | |
| CB3216PM121 | 120 \pm 25% | 0.03 | 3000 | |
| CB3216PM601 | 600 \pm 25% | 0.06 | 2500 | |
| CB3216UM500 | 50 \pm 25% | 0.01 | 6000 | |
| CB3216UM121 | 120 \pm 25% | 0.20 | 6000 | |

Electrical Characteristics

