



## PRODUCT IDENTIFICATION

## ■ FEATURES

JCB series offer full specification for your choices.  
Wide impedance characteristic and several size  
support easy to design

JCB-C series is used in high-speed single line application

JCB-A series stand large current

This inductor generates high impedance at high frequency

## ■ APPLICATIONS

## Communications

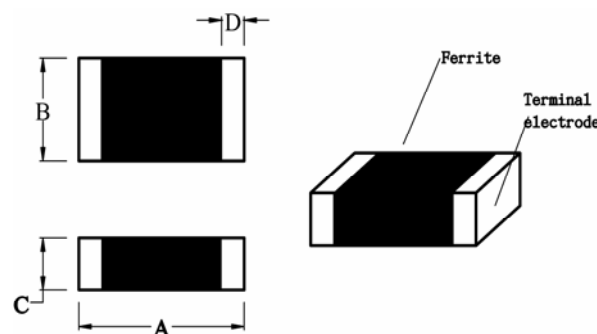
Computer products, etc....

## VCR and cameras

## Noise suppression in digital equipments

■ **DIMENSIONS (mm)**

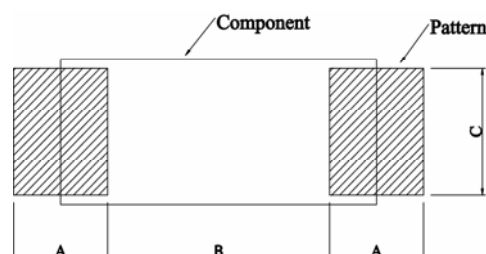
| JCB         | 100505 | □ | – | 300       |
|-------------|--------|---|---|-----------|
| Type        | Size   |   |   | Impedance |
| C: Material |        |   |   |           |
| A: High mA  |        |   |   |           |



| Part No.          | Size (mm) |           |           |           |
|-------------------|-----------|-----------|-----------|-----------|
|                   | A         | B         | C         | D         |
| JCB 100505 (0402) | 1.0 ± 0.1 | 0.5 ± 0.1 | 0.5 ± 0.1 | 0.1 Min.  |
| JCB 160808 (0603) | 1.6 ± 0.2 | 0.8 ± 0.2 | 0.8 ± 0.2 | 0.3 ± 0.2 |
| JCB 201209 (0805) | 2.0 ± 0.2 | 1.2 ± 0.2 | 0.9 ± 0.2 | 0.5 ± 0.3 |
| JCB 321611 (1206) | 3.2 ± 0.2 | 1.6 ± 0.2 | 1.1 ± 0.2 | 0.5 ± 0.3 |
| JCB 321616 (1206) | 3.2 ± 0.2 | 1.6 ± 0.2 | 1.6 ± 0.2 | 0.5 ± 0.3 |
| JCB 322513 (1210) | 3.2 ± 0.2 | 2.5 ± 0.2 | 1.3 ± 0.2 | 0.5 ± 0.3 |
| JCB 451616 (1806) | 4.5 ± 0.2 | 1.6 ± 0.2 | 1.6 ± 0.2 | 0.5 ± 0.3 |
| JCB 453215 (1812) | 4.5 ± 0.2 | 3.2 ± 0.2 | 1.5 ± 0.2 | 0.5 ± 0.3 |

## ■ RECOMMENDED PATTERN

| Type       | A    | B    | C    |
|------------|------|------|------|
| JCB 100505 | 0.45 | 0.50 | 0.50 |
| JCB 160808 | 0.70 | 0.70 | 0.70 |
| JCB 201209 | 0.80 | 1.00 | 1.00 |
| JCB 321611 | 1.10 | 2.20 | 1.40 |
| JCB 321616 | 1.10 | 2.20 | 1.40 |
| JCB 322513 | 1.10 | 2.20 | 2.30 |
| JCB 451616 | 1.50 | 3.00 | 1.50 |
| JCB 453215 | 1.50 | 3.00 | 3.00 |



## ■ PACKAGE

| Type      | JCB 100505 | JCB 160808 | JCB 201209 | JCB 321611 |
|-----------|------------|------------|------------|------------|
| Q'TY/Reel | 10,000     | 4,000      | 4,000      | 3,000      |
| Type      | JCB 321616 | JCB 322513 | JCB 451616 | JCB 453215 |
| Q'TY/Reel | 2,000      | 2,000      | 2,000      | 1,000      |

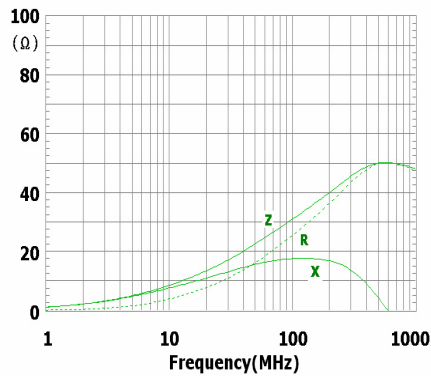
| No. | Part No.      | Impedance<br>( $\Omega$ ) | Test<br>Frequency<br>(MHz) | RDC<br>( $\Omega$ ) | IDC<br>(mA) |
|-----|---------------|---------------------------|----------------------------|---------------------|-------------|
| 1   | JCB100505-300 | 30 $\pm$ 25%              | 100                        | 0.30                | 500         |
| 2   | JCB100505-600 | 60 $\pm$ 25%              | 100                        | 0.40                | 200         |
| 3   | JCB100505-121 | 120 $\pm$ 25%             | 100                        | 0.50                | 200         |
| 4   | JCB100505-221 | 220 $\pm$ 25%             | 100                        | 0.70                | 100         |
| 5   | JCB100505-301 | 300 $\pm$ 25%             | 100                        | 0.80                | 100         |
| 6   | JCB100505-601 | 600 $\pm$ 25%             | 100                        | 1.10                | 50          |
| 7   | JCB160808-090 | 9 $\pm$ 25%               | 100                        | 0.20                | 500         |
| 8   | JCB160808-300 | 30 $\pm$ 25%              | 100                        | 0.20                | 400         |
| 9   | JCB160808-600 | 60 $\pm$ 25%              | 100                        | 0.20                | 300         |
| 10  | JCB160808-800 | 80 $\pm$ 25%              | 100                        | 0.20                | 300         |
| 11  | JCB160808-121 | 120 $\pm$ 25%             | 100                        | 0.20                | 200         |
| 12  | JCB160808-221 | 220 $\pm$ 25%             | 100                        | 0.20                | 200         |
| 13  | JCB160808-301 | 300 $\pm$ 25%             | 100                        | 0.35                | 200         |
| 14  | JCB160808-451 | 450 $\pm$ 25%             | 100                        | 0.40                | 200         |
| 15  | JCB160808-601 | 600 $\pm$ 25%             | 100                        | 0.45                | 200         |
| 16  | JCB160808-102 | 1000 $\pm$ 25%            | 100                        | 0.60                | 100         |
| 17  | JCB201209-110 | 11 $\pm$ 25%              | 100                        | 0.15                | 600         |
| 18  | JCB201209-300 | 30 $\pm$ 25%              | 100                        | 0.10                | 300         |
| 19  | JCB201209-800 | 80 $\pm$ 25%              | 100                        | 0.15                | 300         |
| 20  | JCB201209-121 | 120 $\pm$ 25%             | 100                        | 0.25                | 300         |
| 21  | JCB201209-151 | 150 $\pm$ 25%             | 100                        | 0.25                | 300         |
| 22  | JCB201209-221 | 220 $\pm$ 25%             | 100                        | 0.30                | 200         |
| 23  | JCB201209-301 | 300 $\pm$ 25%             | 100                        | 0.30                | 200         |
| 24  | JCB201209-601 | 600 $\pm$ 25%             | 100                        | 0.35                | 200         |
| 25  | JCB201209-102 | 1000 $\pm$ 25%            | 100                        | 0.45                | 200         |
| 26  | JCB321611-310 | 31 $\pm$ 25%              | 100                        | 0.20                | 500         |
| 27  | JCB321611-600 | 60 $\pm$ 25%              | 100                        | 0.30                | 400         |
| 28  | JCB321611-900 | 90 $\pm$ 25%              | 100                        | 0.30                | 300         |
| 29  | JCB321611-151 | 150 $\pm$ 25%             | 100                        | 0.30                | 300         |
| 30  | JCB321611-301 | 300 $\pm$ 25%             | 100                        | 0.30                | 300         |
| 31  | JCB321611-601 | 600 $\pm$ 25%             | 100                        | 0.30                | 200         |
| 32  | JCB321611-102 | 1000 $\pm$ 25%            | 50                         | 0.35                | 350         |
| 33  | JCB321611-202 | 2000 $\pm$ 25%            | 30                         | 0.60                | 100         |
| 34  | JCB321616-600 | 60 $\pm$ 25%              | 100                        | 0.30                | 400         |
| 35  | JCB322513-600 | 60 $\pm$ 25%              | 100                        | 0.30                | 400         |
| 36  | JCB322513-900 | 90 $\pm$ 25%              | 100                        | 0.30                | 300         |
| 37  | JCB451616-800 | 80 $\pm$ 25%              | 100                        | 0.30                | 400         |
| 38  | JCB451616-151 | 150 $\pm$ 25%             | 100                        | 0.30                | 300         |
| 39  | JCB453215-800 | 80 $\pm$ 25%              | 100                        | 0.30                | 300         |

| No. | Part No.       | Impedance<br>( $\Omega$ ) | Test<br>Frequency<br>(MHz) | RDC<br>( $\Omega$ ) | IDC<br>(mA) |
|-----|----------------|---------------------------|----------------------------|---------------------|-------------|
| 1   | JCB100505C-300 | 30 $\pm$ 25%              | 100                        | 0.40                | 200         |
| 2   | JCB100505C-600 | 60 $\pm$ 25%              | 100                        | 0.50                | 200         |
| 3   | JCB100505C-121 | 120 $\pm$ 25%             | 100                        | 0.70                | 100         |
| 4   | JCB100505C-221 | 220 $\pm$ 25%             | 100                        | 0.90                | 100         |
| 5   | JCB100505C-301 | 300 $\pm$ 25%             | 100                        | 1.00                | 100         |
| 6   | JCB160808C-600 | 60 $\pm$ 25%              | 100                        | 0.30                | 300         |
| 7   | JCB160808C-800 | 80 $\pm$ 25%              | 100                        | 0.30                | 200         |
| 8   | JCB160808C-121 | 120 $\pm$ 25%             | 100                        | 0.30                | 200         |
| 9   | JCB160808C-221 | 220 $\pm$ 25%             | 100                        | 0.40                | 200         |
| 10  | JCB160808C-301 | 300 $\pm$ 25%             | 100                        | 0.45                | 200         |
| 11  | JCB160808C-601 | 600 $\pm$ 25%             | 100                        | 0.65                | 200         |
| 12  | JCB160808C-102 | 1000 $\pm$ 25%            | 100                        | 0.80                | 50          |
| 13  | JCB201209C-400 | 40 $\pm$ 25%              | 100                        | 0.20                | 300         |
| 14  | JCB201209C-800 | 80 $\pm$ 25%              | 100                        | 0.20                | 200         |
| 15  | JCB201209C-121 | 120 $\pm$ 25%             | 100                        | 0.25                | 200         |
| 16  | JCB201209C-221 | 220 $\pm$ 25%             | 100                        | 0.35                | 200         |
| 17  | JCB201209C-301 | 300 $\pm$ 25%             | 100                        | 0.40                | 200         |
| 18  | JCB201209C-601 | 600 $\pm$ 25%             | 100                        | 0.50                | 200         |
| 19  | JCB201209C-102 | 1000 $\pm$ 25%            | 100                        | 0.60                | 200         |
| 20  | JCB321611C-190 | 19 $\pm$ 25%              | 30                         | 0.20                | 500         |
| 21  | JCB321611C-151 | 150 $\pm$ 25%             | 100                        | 0.30                | 300         |
| 22  | JCB321611C-301 | 300 $\pm$ 25%             | 100                        | 0.30                | 300         |
| 23  | JCB321611C-601 | 600 $\pm$ 25%             | 100                        | 0.30                | 300         |

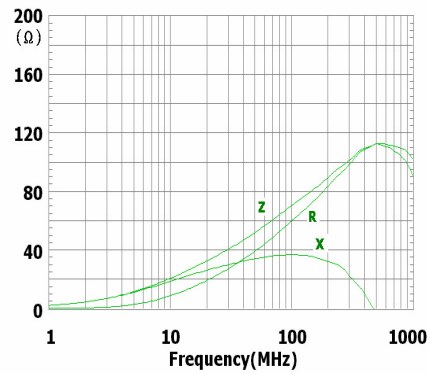
| No. | Part No.           | Impedance<br>( $\Omega$ ) | Test<br>Frequency<br>(MHz) | RDC<br>( $\Omega$ ) | IDC<br>(mA) |
|-----|--------------------|---------------------------|----------------------------|---------------------|-------------|
| 1   | JCB160808A-300/3   | 30 $\pm$ 25%              | 100                        | 0.050               | 3000        |
| 2   | JCB160808A-600/3   | 60 $\pm$ 25%              | 100                        | 0.040               | 3000        |
| 3   | JCB160808A-121/2.5 | 120 $\pm$ 25%             | 100                        | 0.100               | 2500        |
| 4   | JCB160808A-301/2   | 300 $\pm$ 25%             | 100                        | 0.150               | 2000        |
| 5   | JCB160808A-601/1   | 600 $\pm$ 25%             | 100                        | 0.300               | 1000        |
| 6   | JCB201209A-300/3   | 30 $\pm$ 25%              | 100                        | 0.030               | 3000        |
| 7   | JCB201209A-600/3   | 60 $\pm$ 25%              | 100                        | 0.040               | 3000        |
| 8   | JCB201209A-800/3   | 80 $\pm$ 25%              | 100                        | 0.040               | 3000        |
| 9   | JCB201209A-121/3   | 120 $\pm$ 25%             | 100                        | 0.060               | 3000        |
| 10  | JCB201209A-221/2   | 220 $\pm$ 25%             | 100                        | 0.100               | 2000        |
| 11  | JCB201209A-301/2   | 300 $\pm$ 25%             | 100                        | 0.100               | 2000        |
| 12  | JCB201209A-601/2   | 600 $\pm$ 25%             | 100                        | 0.150               | 2000        |
| 13  | JCB321611A-310/6   | 31 $\pm$ 25%              | 100                        | 0.010               | 6000        |
| 14  | JCB321611A-500/3   | 50 $\pm$ 25%              | 100                        | 0.030               | 3000        |
| 15  | JCB321611A-800/3   | 80 $\pm$ 25%              | 100                        | 0.050               | 3000        |
| 16  | JCB321611A-121/3   | 120 $\pm$ 25%             | 100                        | 0.080               | 3000        |
| 17  | JCB321611A-301/2.5 | 300 $\pm$ 25%             | 100                        | 0.080               | 2500        |
| 18  | JCB321611A-601/2   | 600 $\pm$ 25%             | 100                        | 0.100               | 2000        |
| 19  | JCB322513A-300/3   | 30 $\pm$ 25%              | 100                        | 0.050               | 3000        |
| 20  | JCB322513A-600/3   | 60 $\pm$ 25%              | 100                        | 0.050               | 3000        |
| 21  | JCB451616A-600/6   | 60 $\pm$ 25%              | 100                        | 0.010               | 6000        |
| 22  | JCB451616A-750/3   | 75 $\pm$ 25%              | 100                        | 0.025               | 3000        |
| 23  | JCB451616A-800/3   | 80 $\pm$ 25%              | 100                        | 0.050               | 3000        |
| 24  | JCB453215A-700/6   | 70 $\pm$ 25%              | 100                        | 0.030               | 6000        |

## CHARACTERISTICS

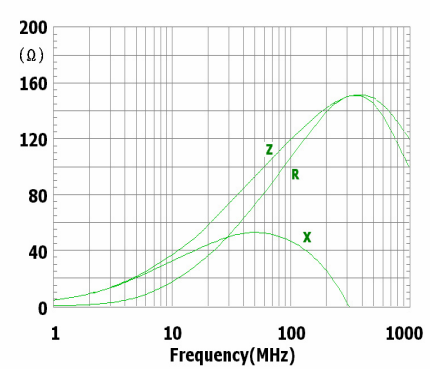
**JCB100505-300**



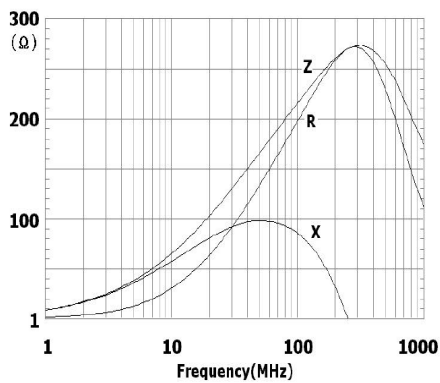
**JCB100505-600**



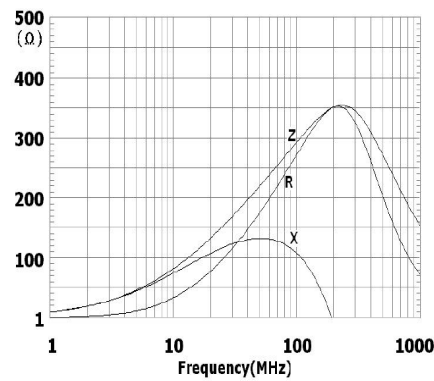
**JCB100505-121**



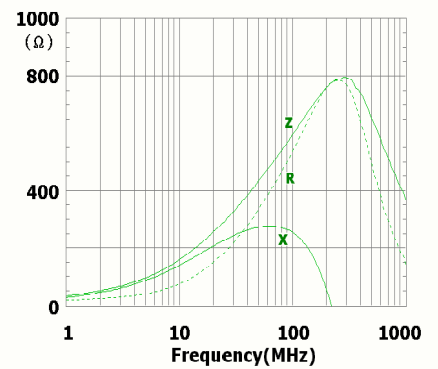
**JCB100505-221**



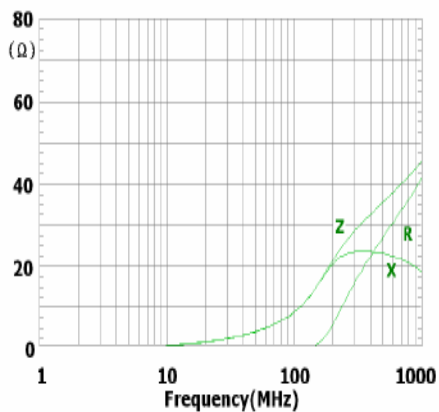
**JCB100505-301**



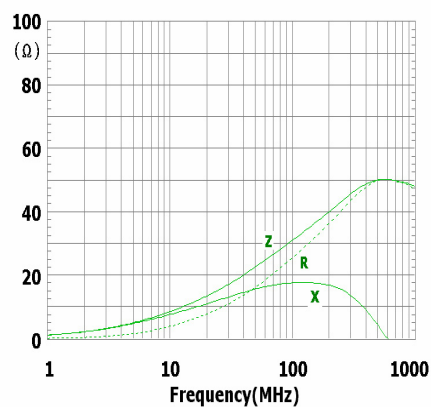
**JCB100505-601**



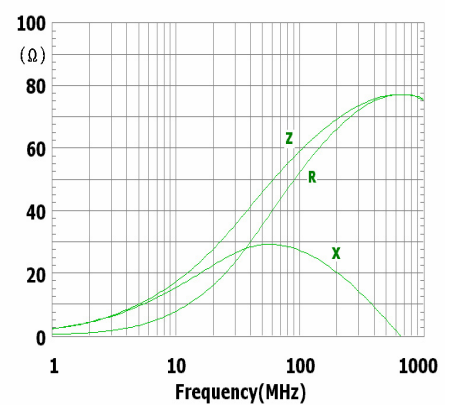
**JCB160808-090**



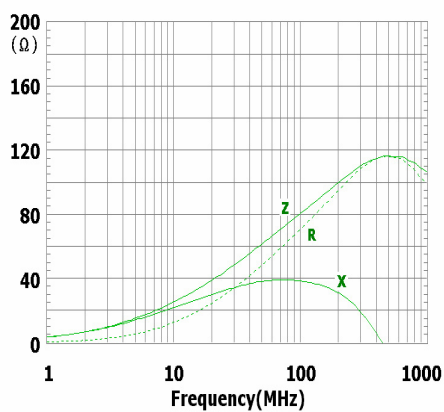
**JCB160808-300**



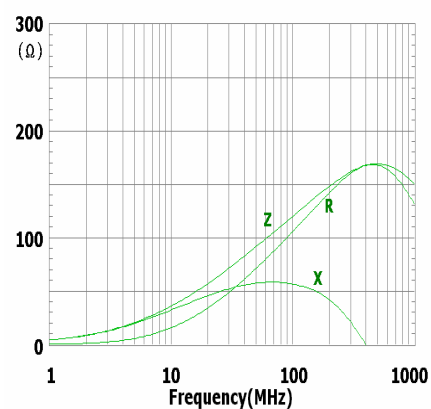
**JCB160808-600**



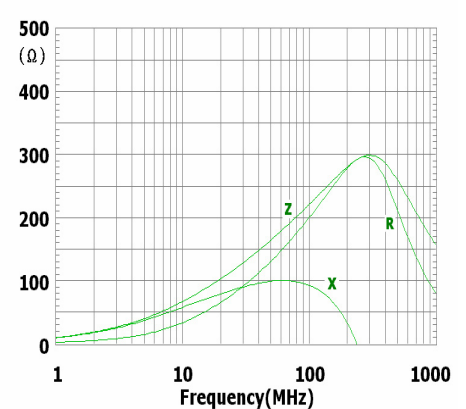
**JCB160808-800**



**JCB160808-121**

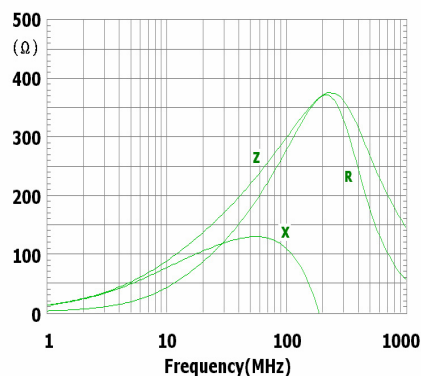


**JCB160808-221**

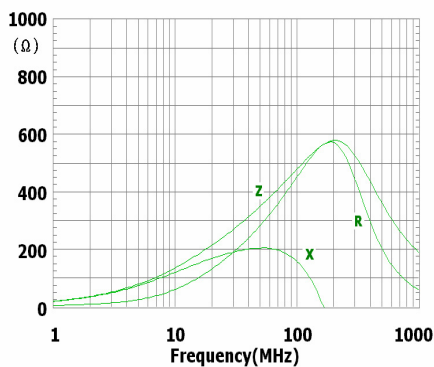


## CHARACTERISTICS

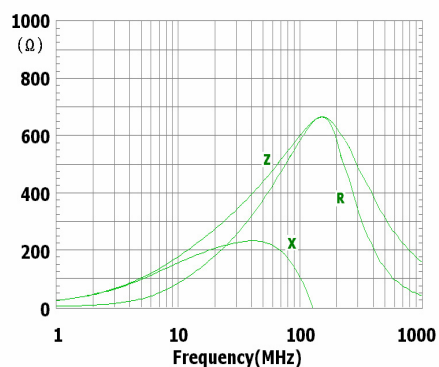
**JCB160808-301**



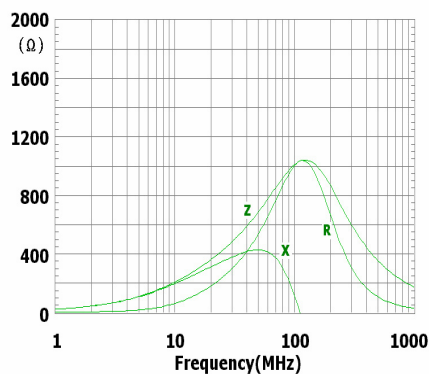
**JCB160808-451**



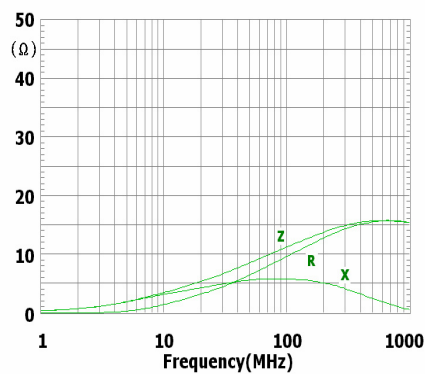
**JCB160808-601**



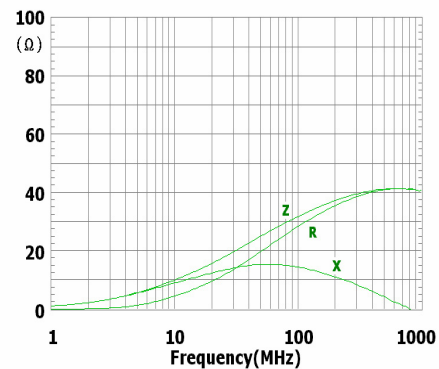
**JCB160808-102**



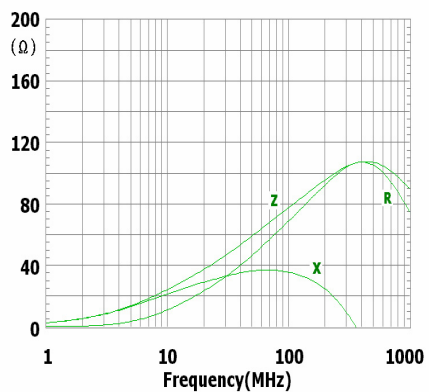
**JCB201209-110**



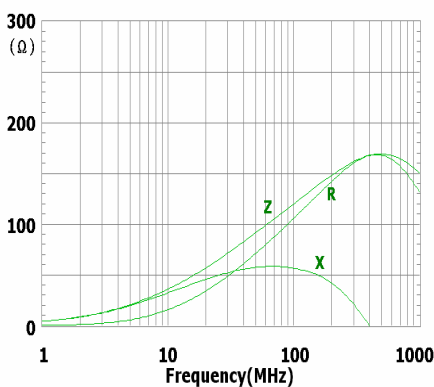
**JCB201209-300**



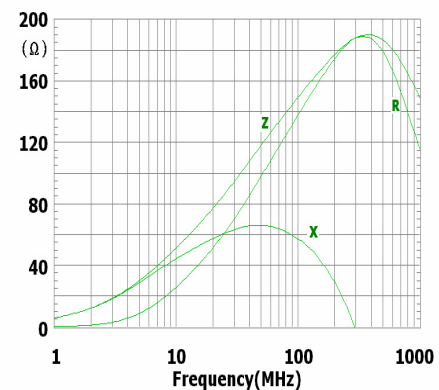
**JCB201209-800**



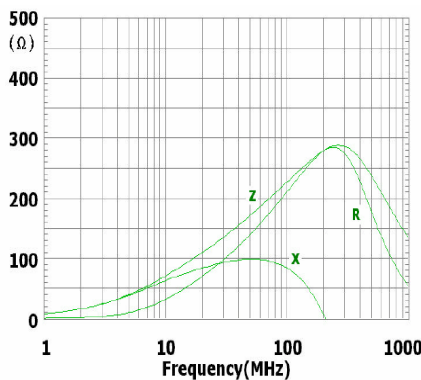
**JCB201209-121**



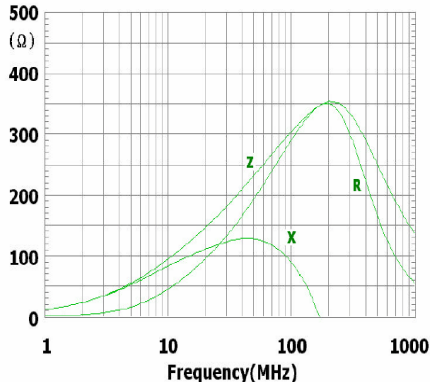
**JCB201209-151**



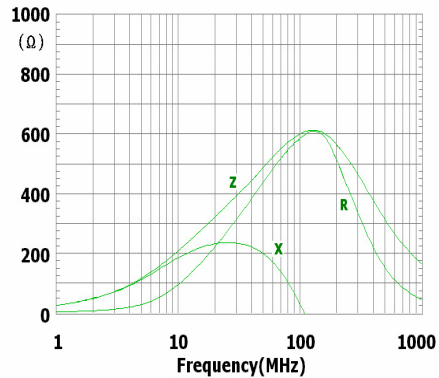
**JCB201209-221**



**JCB201209-301**

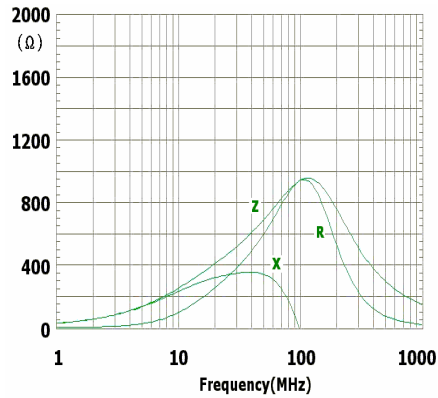


**JCB201209-601**

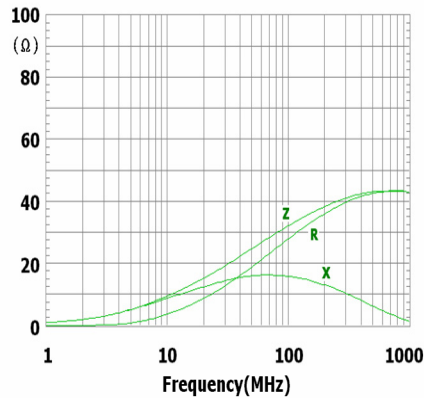


**CHARACTERISTICS**

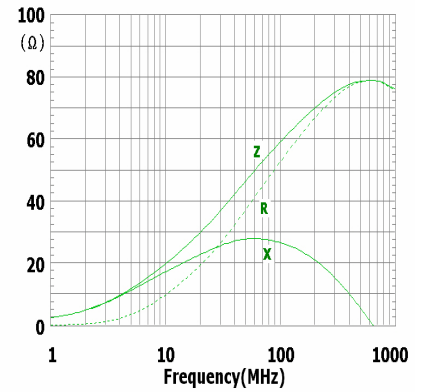
**JCB201209-102**



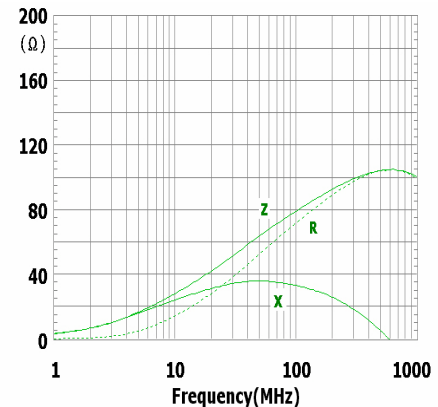
**JCB321611-310**



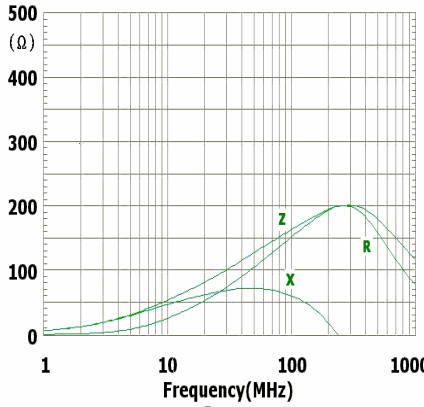
**JCB321611-600**



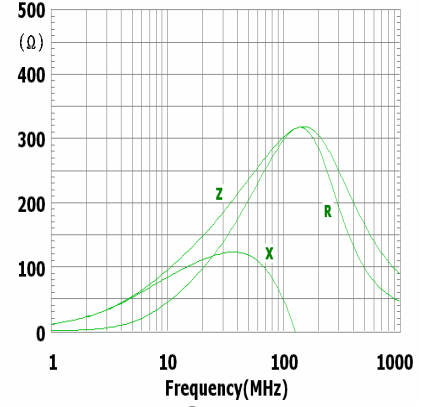
**JCB321611-900**



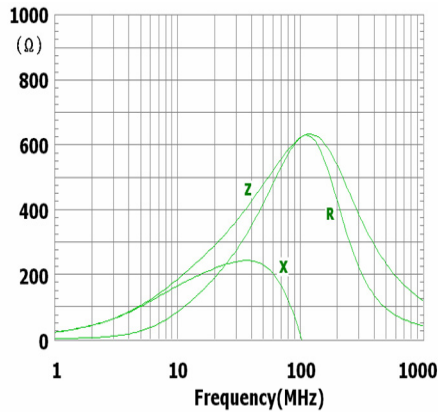
**JCB321611-151**



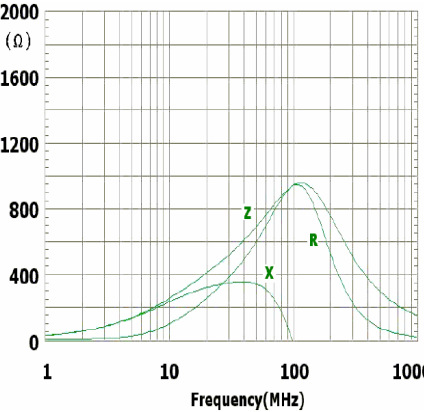
**JCB321611-301**



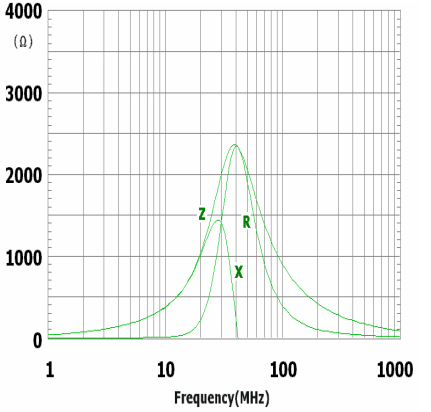
**JCB321611-601**



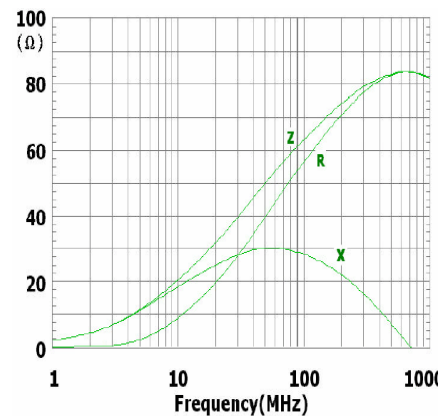
**JCB321611-102**



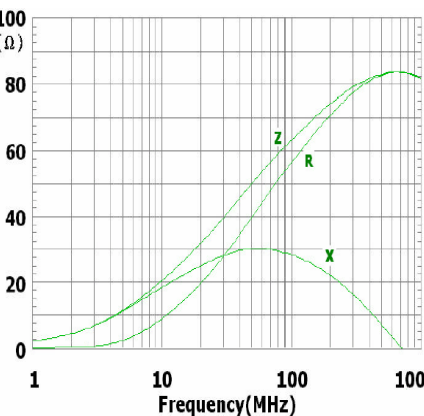
**JCB321611-202**



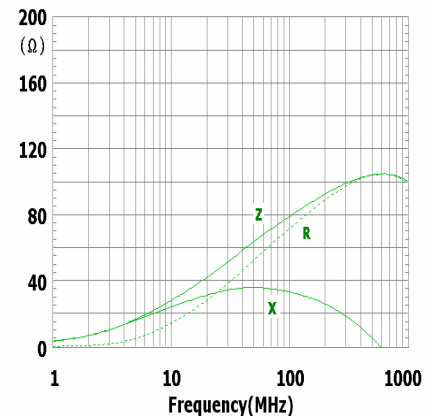
**JCB321616-600**



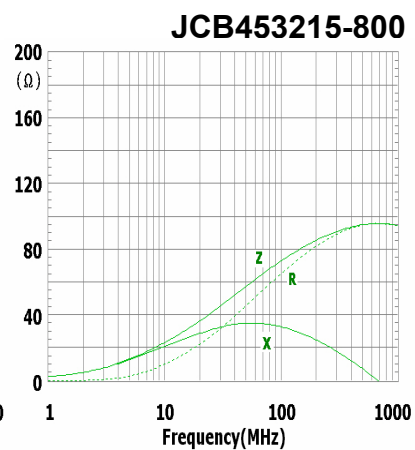
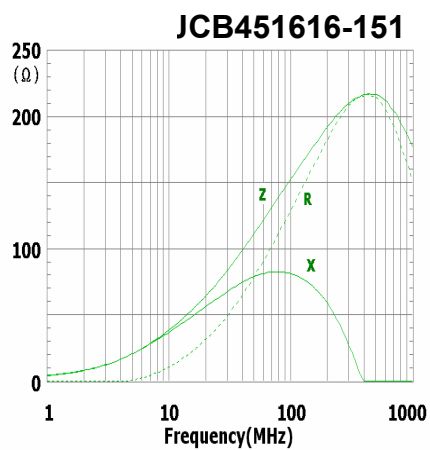
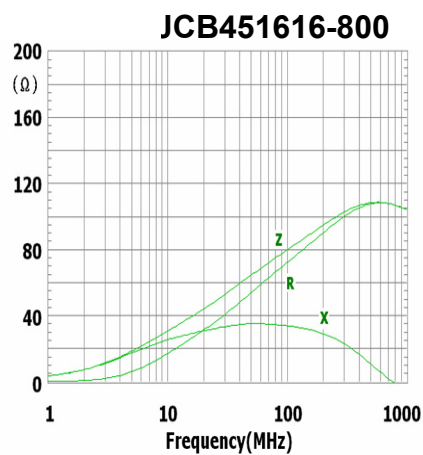
**JCB322513-600**



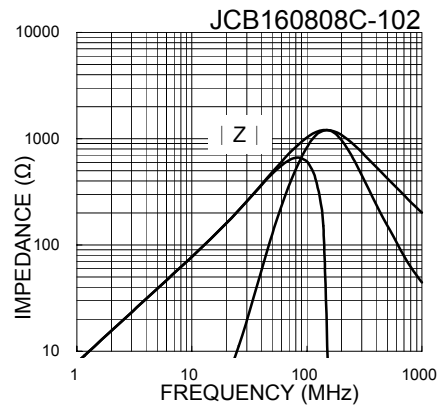
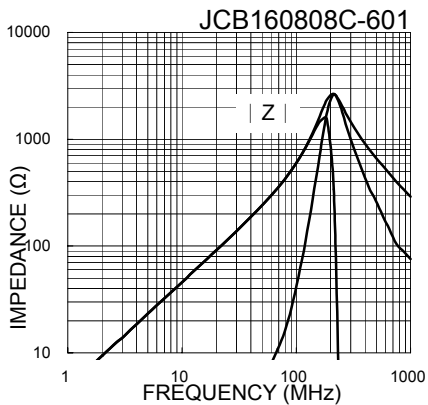
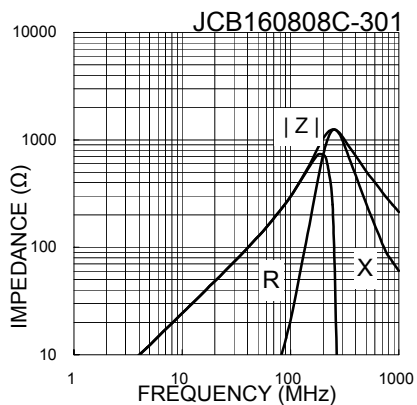
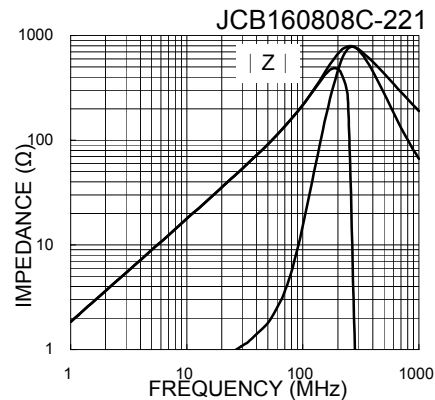
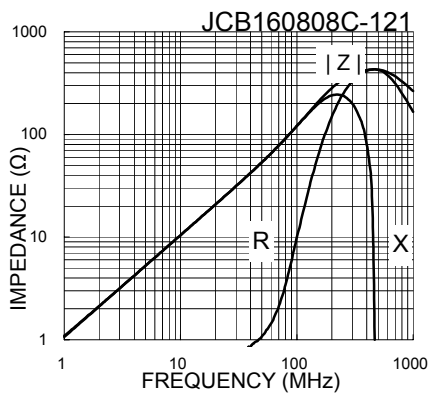
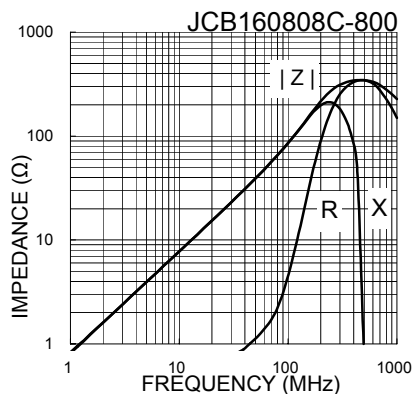
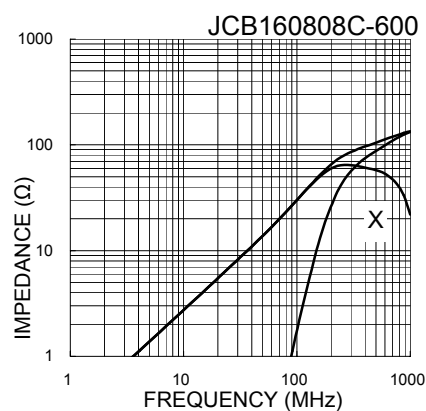
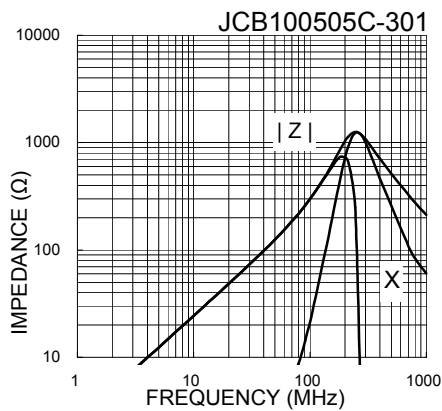
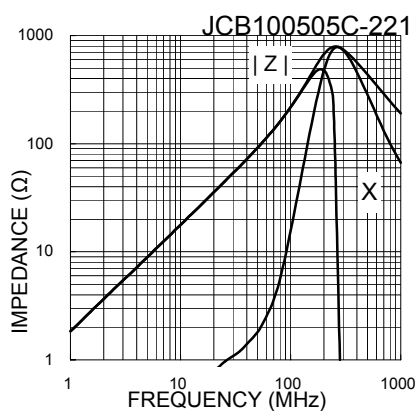
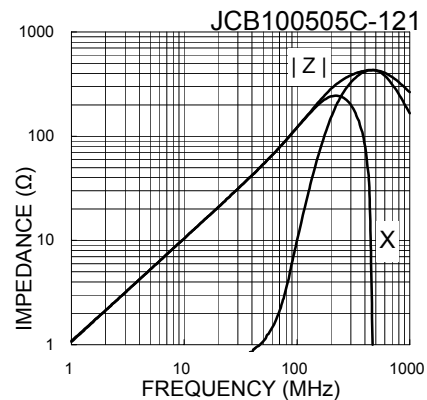
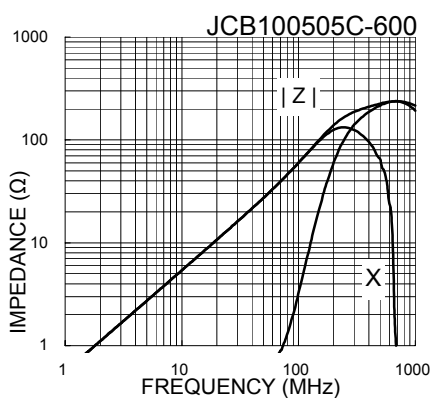
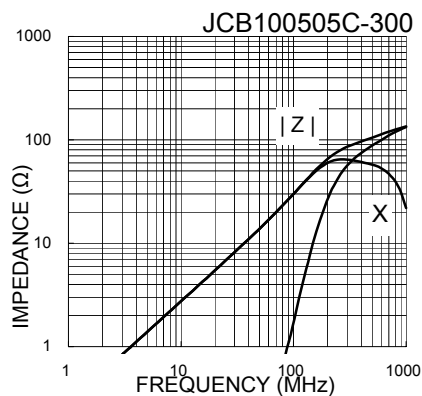
**JCB322513-900**



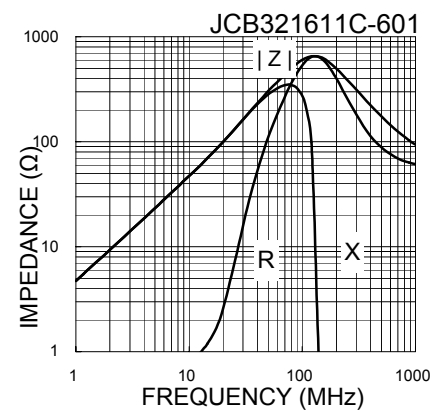
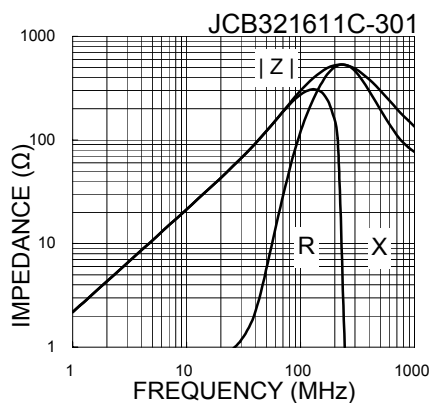
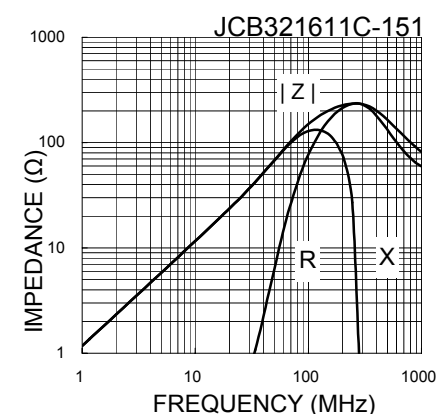
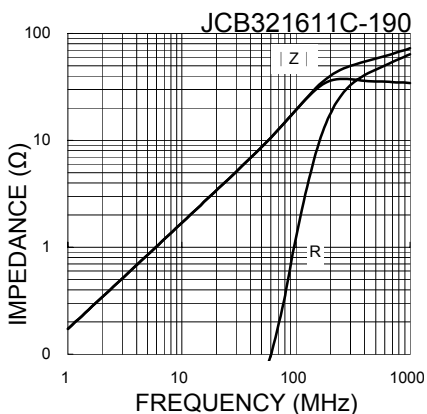
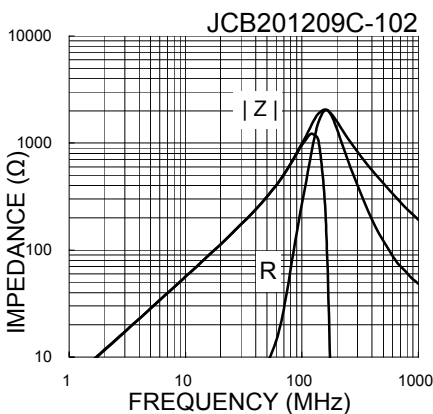
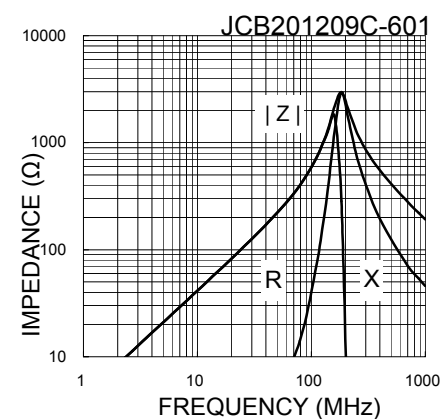
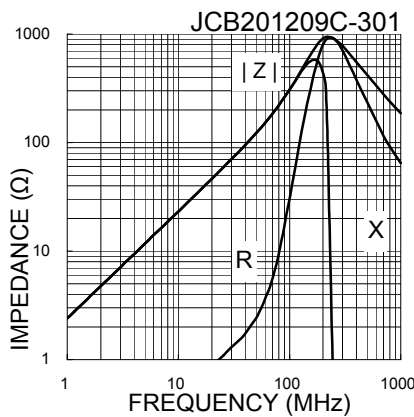
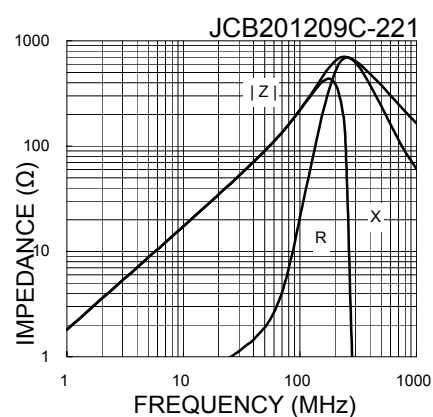
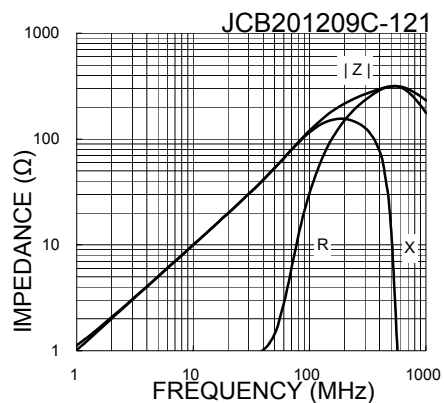
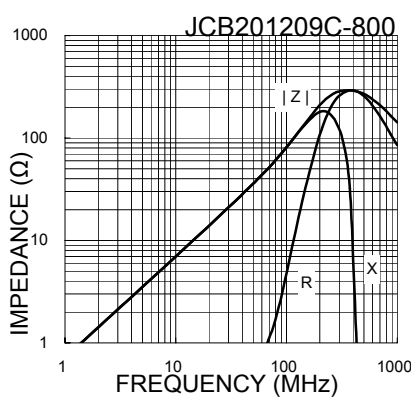
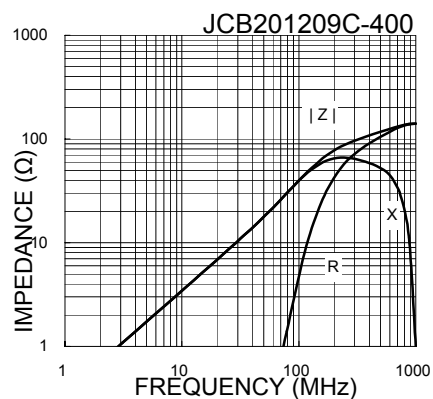
## CHARACTERISTICS



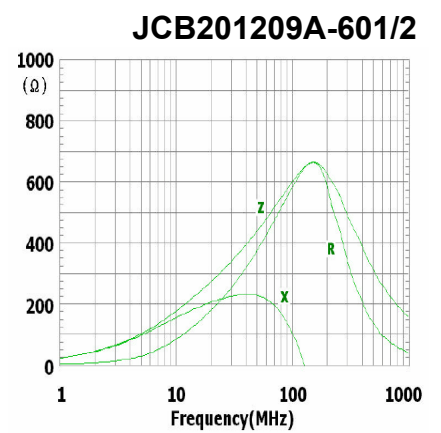
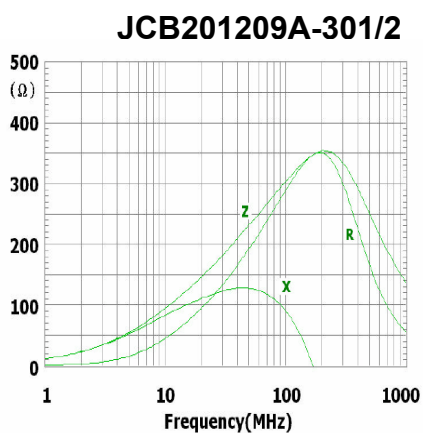
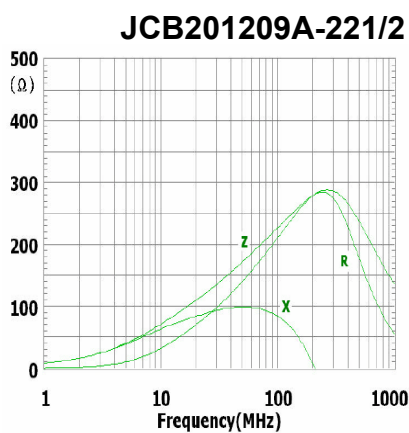
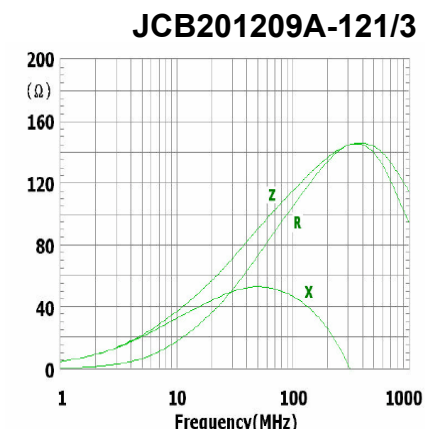
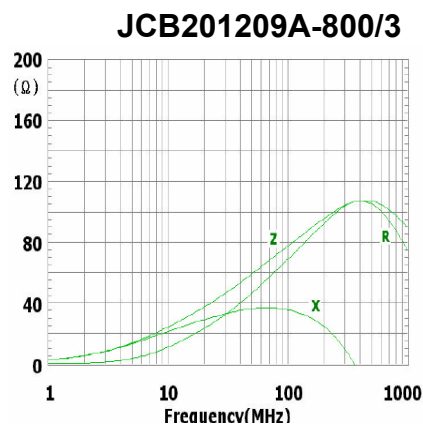
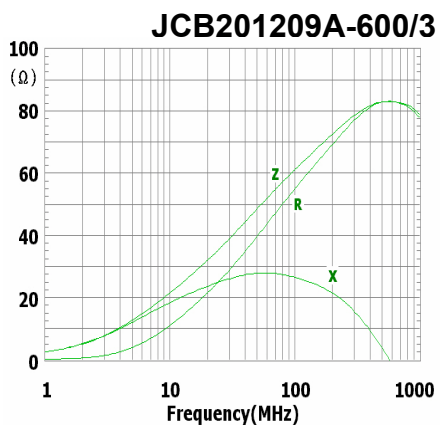
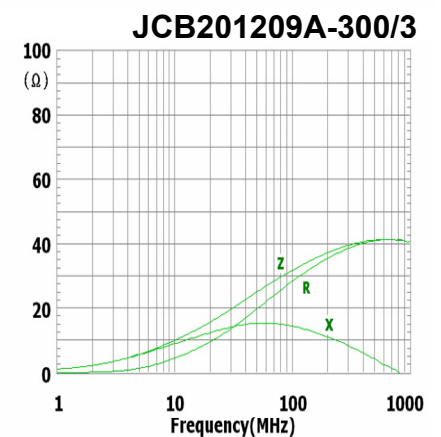
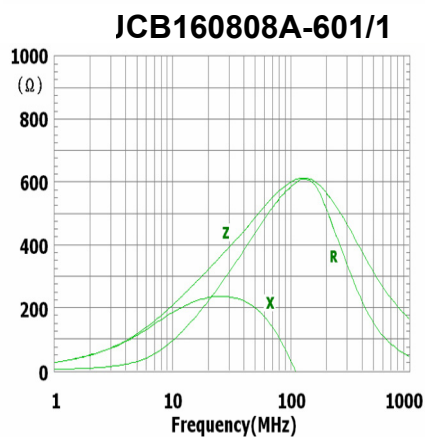
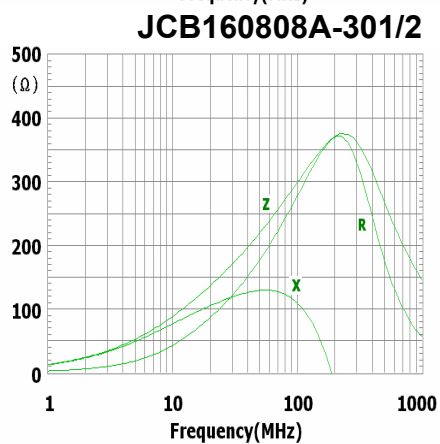
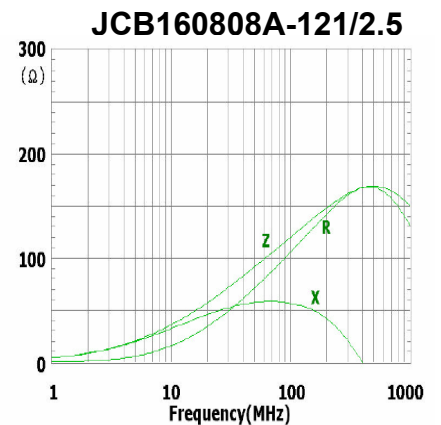
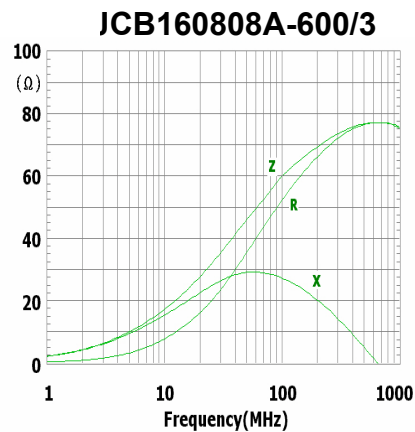
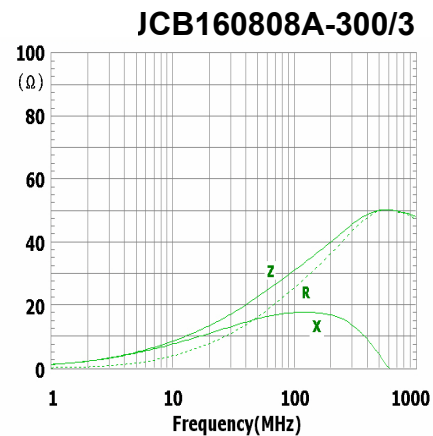
## CHARACTERISTICS



## CHARACTERISTICS

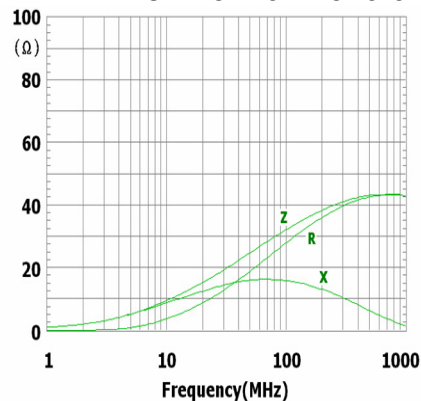


**CHARACTERISTICS**

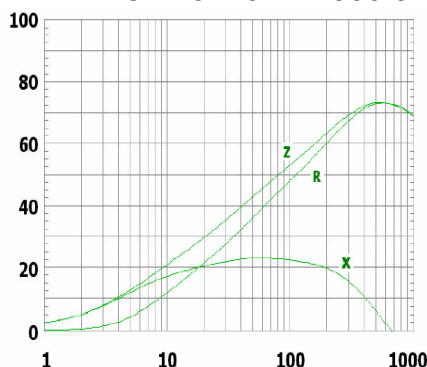


## CHARACTERISTICS

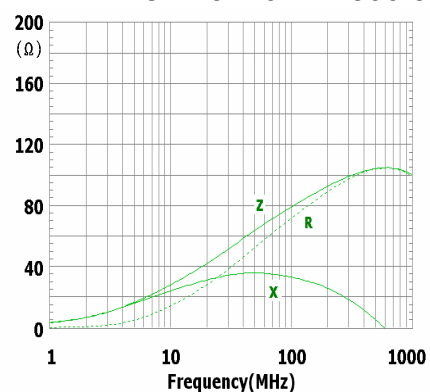
**JCB321611-310/6**



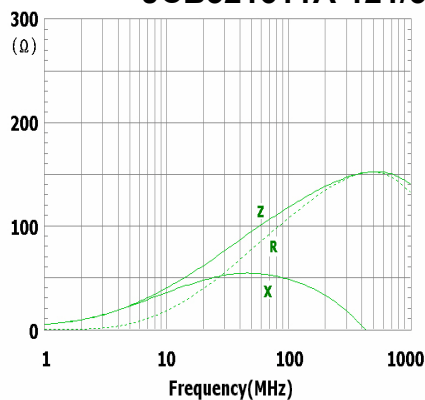
**JCB321611A-500/3**



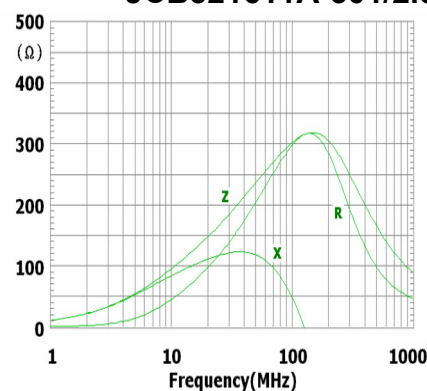
**JCB321611A-800/3**



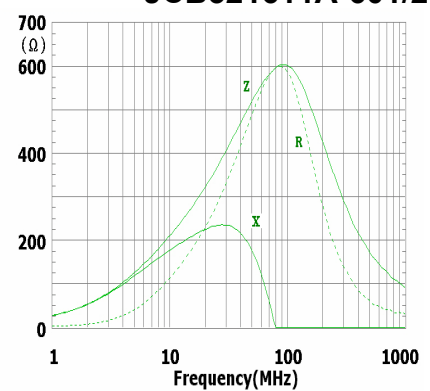
**JCB321611A-121/3**



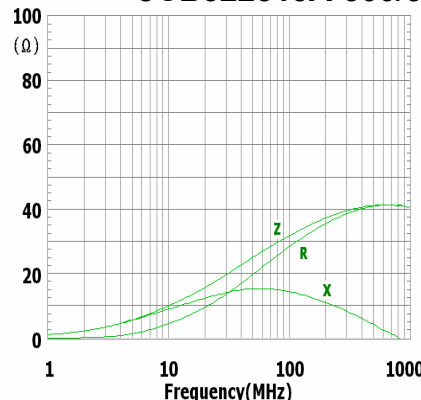
**JCB321611A-301/2.5**



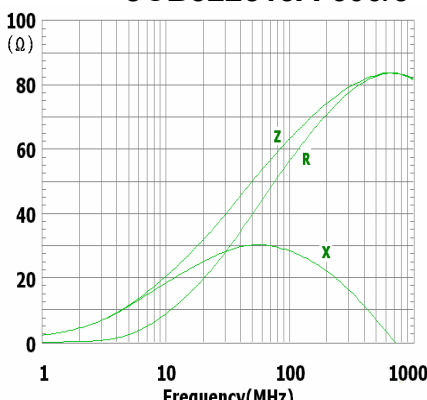
**JCB321611A-601/2**



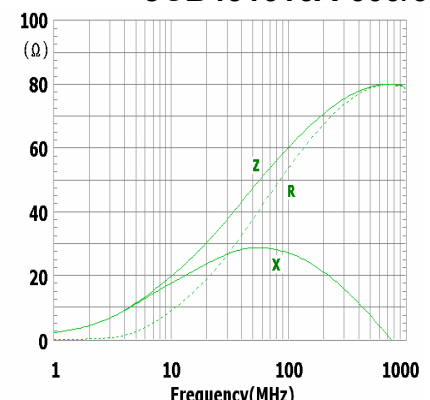
**JCB322513A-300/3**



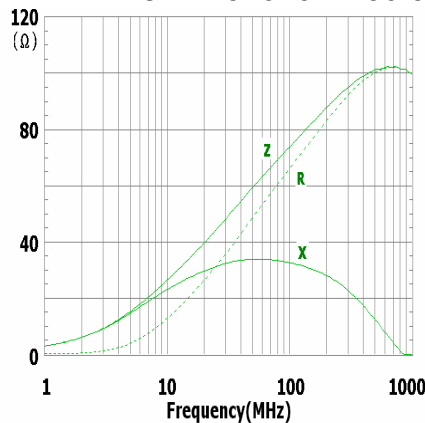
**JCB322513A-600/3**



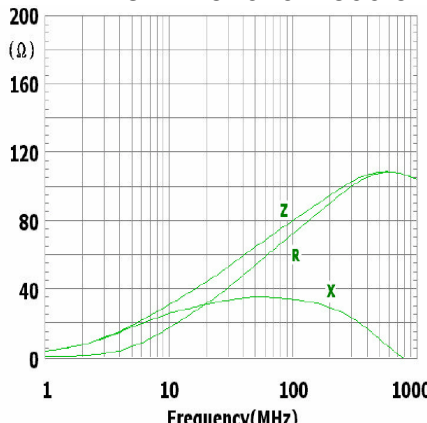
**JCB451616A-600/6**



**JCB451616A-750/3**



**JCB451616A-800/3**



**JCB453215A-700/6**

