

## Series: B

### FEATURES:

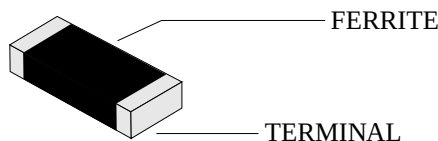
The MLB-B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

The total of six compact sizes are available from 1.6x0.8x0.8 mm up to 4.5x3.2x1.5 mm according to impedance requirement (from 5Ω to 1000Ω at 100MHz).

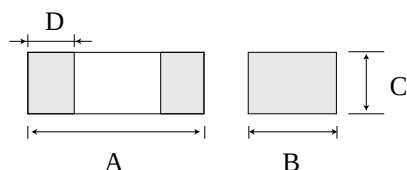
Waveform correction of digital signals in clock lines and general signal lines in computers and peripherals, digital TVs/VCRs and communication equipment.

### MLB-160808-B SERIES

#### DIMENSION:



A: 1.6±0.15 (0.063±0.006)  
B: 0.8±0.15 (0.031±0.006)  
C: 0.8±0.15 (0.031±0.006)  
D: 0.3±0.20 (0.012±0.008)  
in mm (inch)

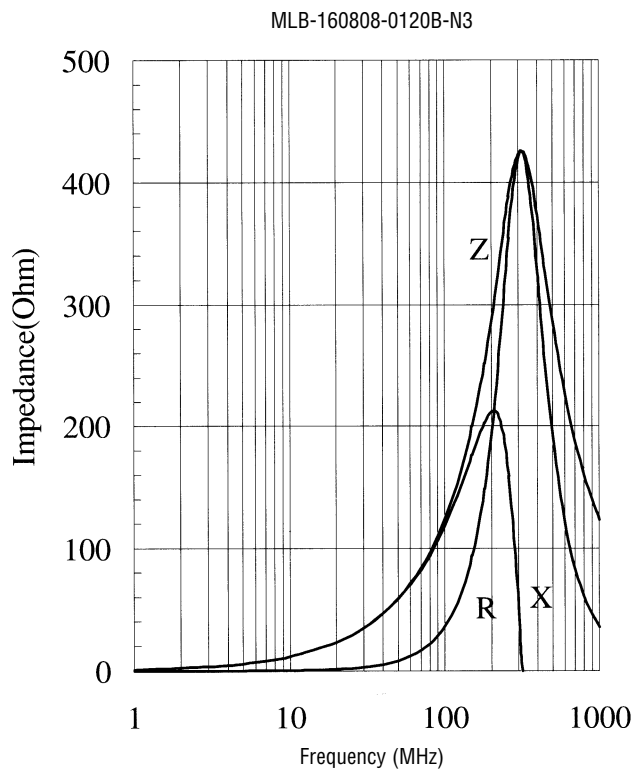
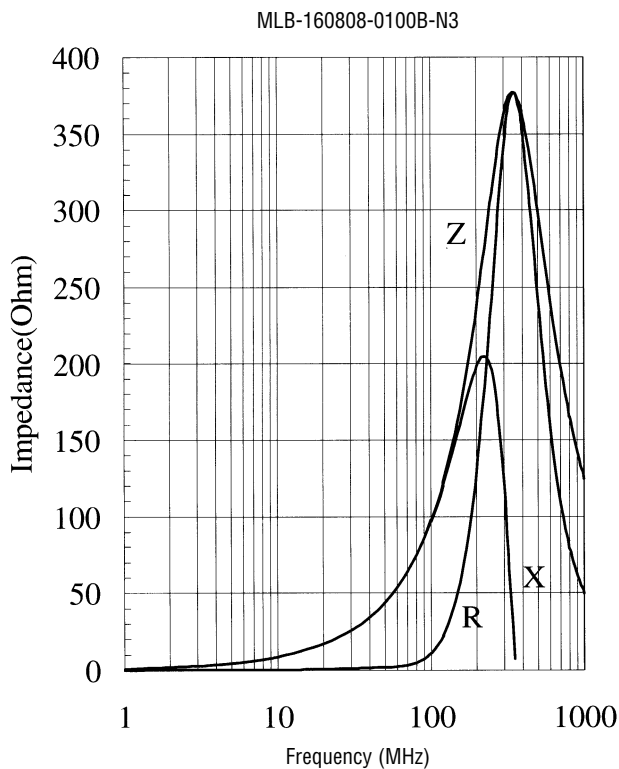
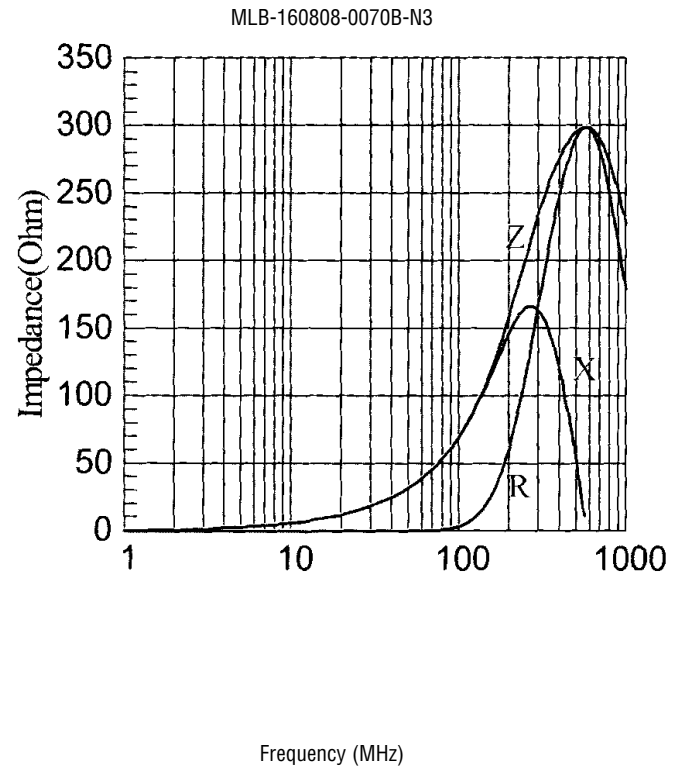
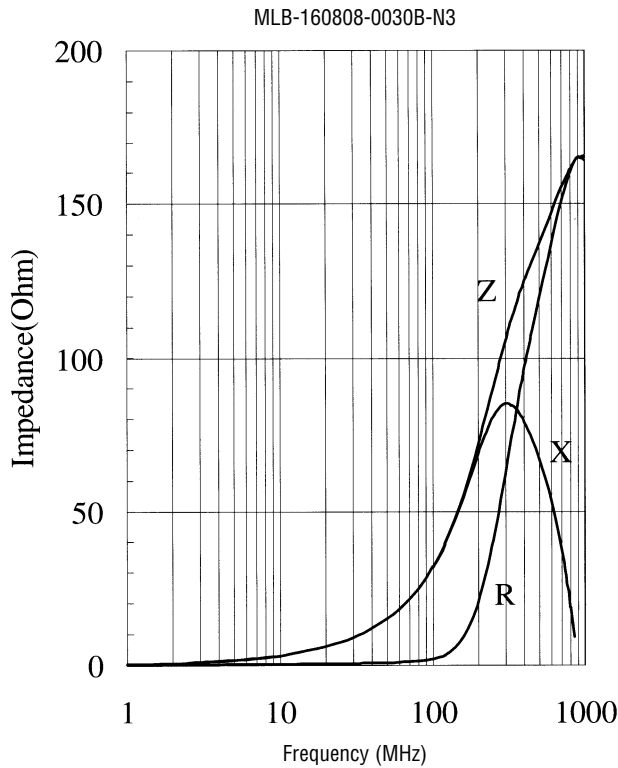


### ELECTRICAL CHARACTERISTICS

| Part Number         | Impedance (Ω)<br>at 100 MHz | DC Resistance<br>(Ω) Max. | Rated Current<br>(mA) Max. | Operating<br>Temp. Range (°C) |
|---------------------|-----------------------------|---------------------------|----------------------------|-------------------------------|
| MLB-160808-0030B-N3 | 30 ± 25%                    | 0.3                       | 250                        | -25 to +85                    |
| MLB-160808-0070B-N3 | 70 ± 25%                    | 0.4                       | 200                        | -25 to +85                    |
| MLB-160808-0120B-N3 | 120 ± 25%                   | 0.4                       | 200                        | -25 to +85                    |
| MLB-160808-0240B-N3 | 240 ± 25%                   | 0.4                       | 200                        | -25 to +85                    |
| MLB-160808-0300B-N3 | 300 ± 25%                   | 0.5                       | 200                        | -25 to +85                    |
| MLB-160808-0420B-N3 | 420 ± 25%                   | 0.5                       | 100                        | -25 to +85                    |
| MLB-160808-0600B-N3 | 600 ± 25%                   | 0.6                       | 100                        | -25 to +85                    |

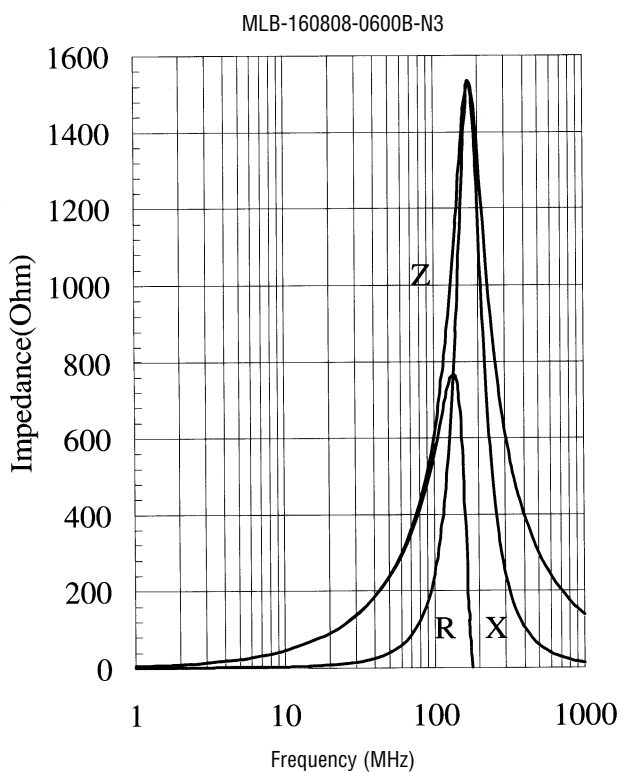
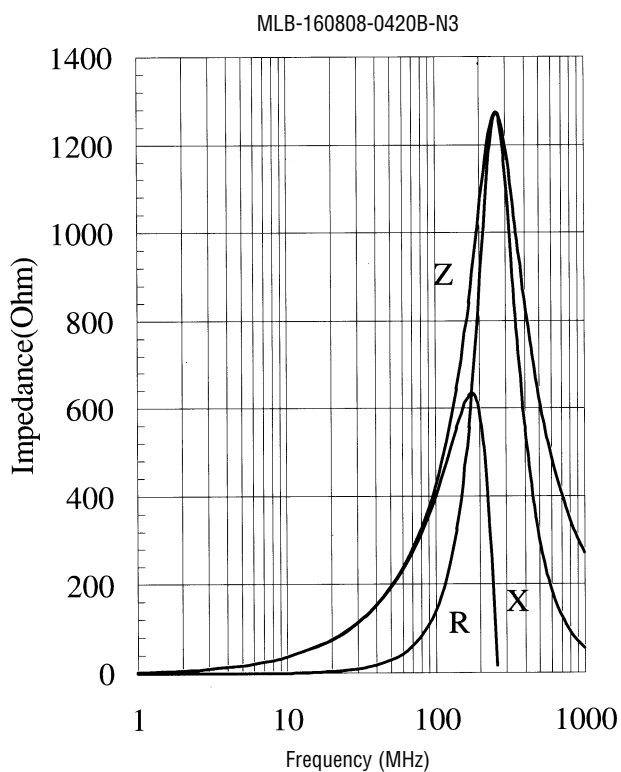
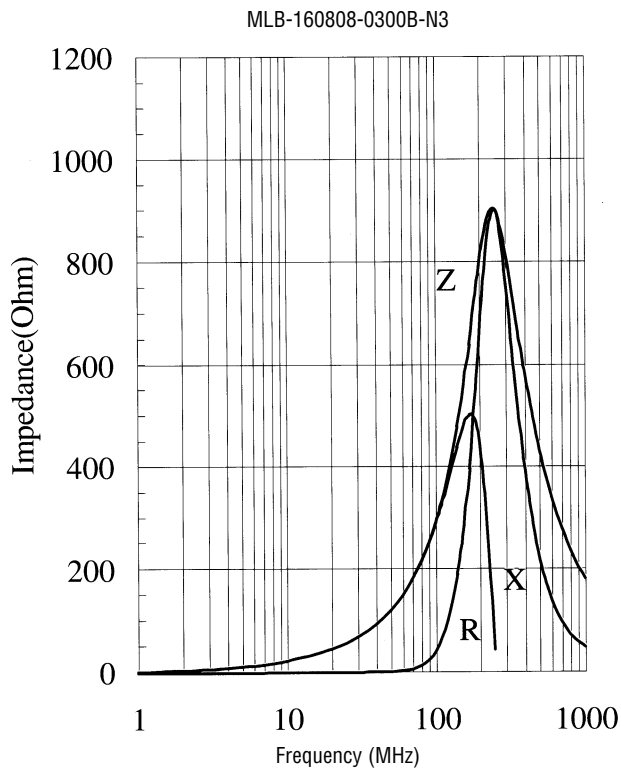
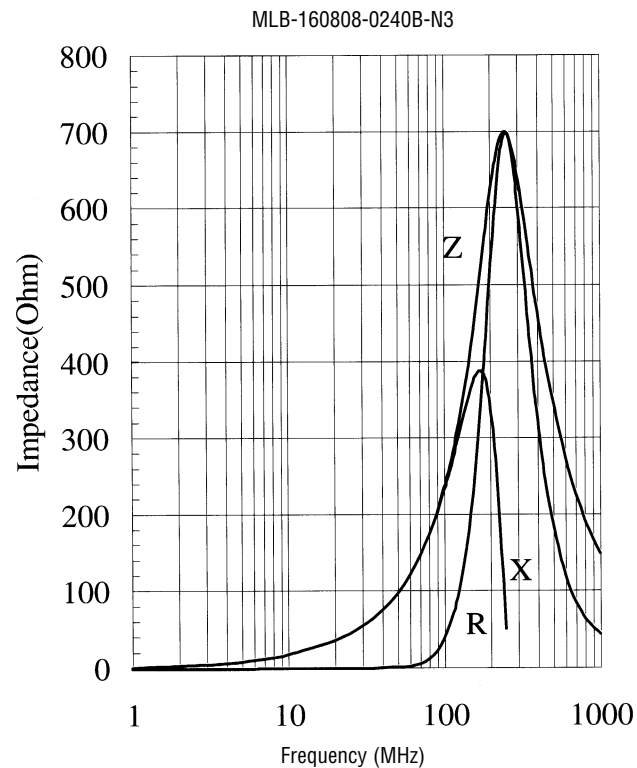
## TYPICAL ELECTRICAL CHARACTERISTIC CURVES

TEST INSTRUMENT: HP-4291A



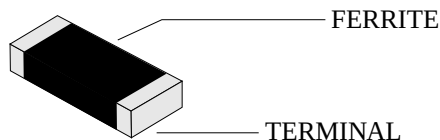
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TEST INSTRUMENT: HP-4291A

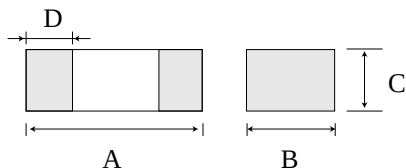


## MLB-201209-B SERIES

### DIMENSION:



A:  $2.0 \pm 0.20$  ( $0.079 \pm 0.008$ )  
 B:  $1.2 \pm 0.20$  ( $0.047 \pm 0.008$ )  
 C:  $0.9 \pm 0.20$  ( $0.035 \pm 0.008$ )  
 D:  $0.5 \pm 0.30$  ( $0.020 \pm 0.012$ )  
 in mm (inch)

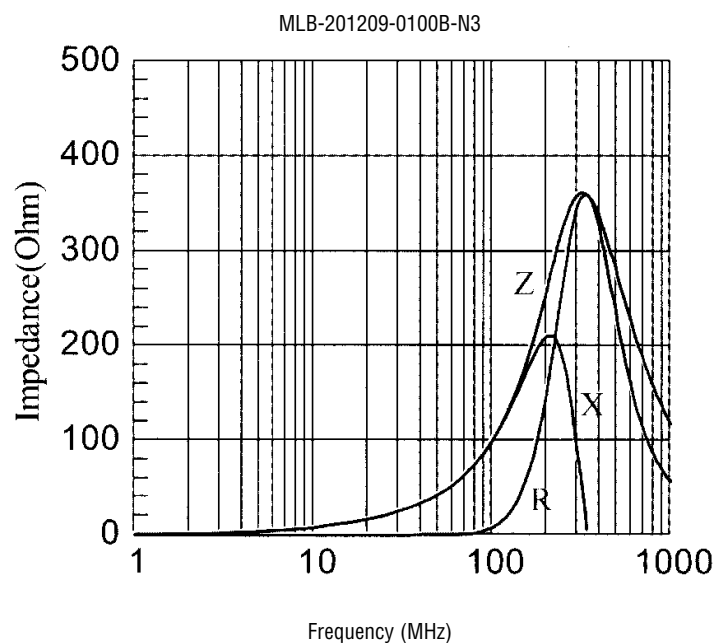
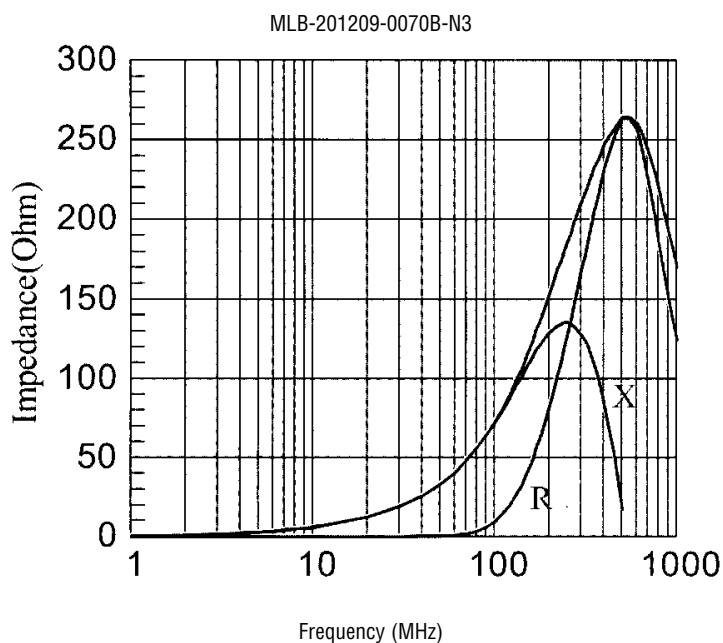
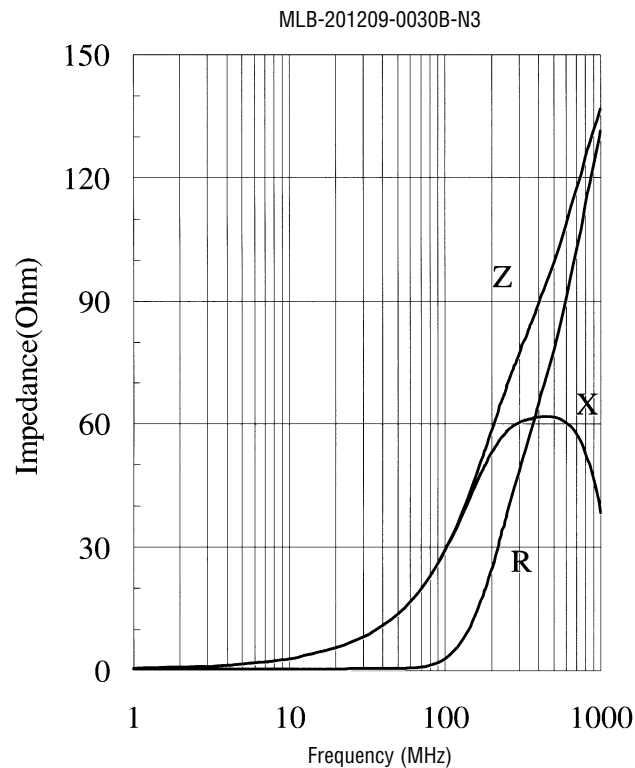
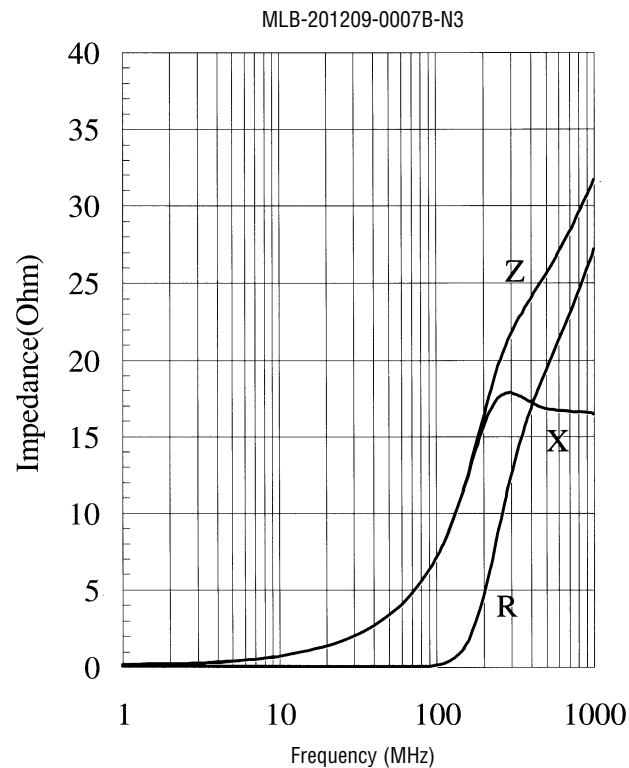


## ELECTRICAL CHARACTERISTICS

| Part Number         | Impedance ( $\Omega$ )<br>at 100 MHz | DC Resistance<br>( $\Omega$ ) Max. | Rated Current<br>(mA) Max. | Operating<br>Temp. Range ( $^{\circ}\text{C}$ ) |
|---------------------|--------------------------------------|------------------------------------|----------------------------|-------------------------------------------------|
| MLB-201209-0007B-N3 | $7 \pm 25\%$                         | 0.2                                | 300                        | -25 to +85                                      |
| MLB-201209-0030B-N3 | $30 \pm 25\%$                        | 0.4                                | 300                        | -25 to +85                                      |
| MLB-201209-0070B-N3 | $70 \pm 25\%$                        | 0.4                                | 300                        | -25 to +85                                      |
| MLB-201209-0100B-N3 | $100 \pm 25\%$                       | 0.4                                | 300                        | -25 to +85                                      |
| MLB-201209-0120B-N3 | $120 \pm 25\%$                       | 0.4                                | 300                        | -25 to +85                                      |
| MLB-201209-0200B-N3 | $200 \pm 25\%$                       | 0.5                                | 200                        | -25 to +85                                      |
| MLB-201209-0300B-N3 | $300 \pm 25\%$                       | 0.5                                | 200                        | -25 to +85                                      |
| MLB-201209-0450B-N3 | $450 \pm 25\%$                       | 0.5                                | 200                        | -25 to +85                                      |
| MLB-201209-0600B-N3 | $600 \pm 25\%$                       | 0.6                                | 200                        | -25 to +85                                      |
| MLB-201209-0750B-N3 | $750 \pm 25\%$                       | 0.7                                | 200                        | -25 to +85                                      |
| MLB-201209-1000B-N3 | $1000 \pm 25\%$                      | 0.8                                | 200                        | -25 to +85                                      |

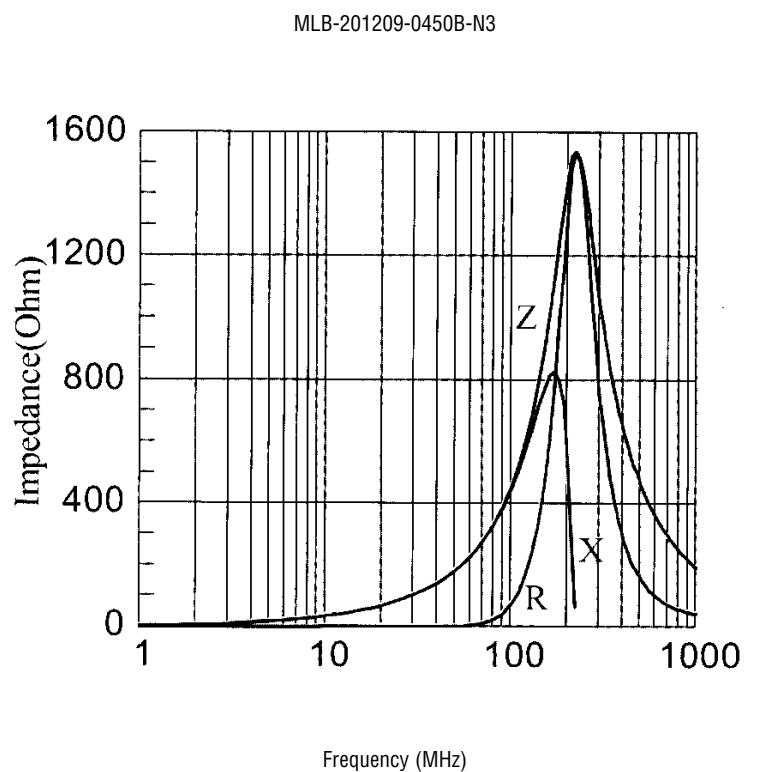
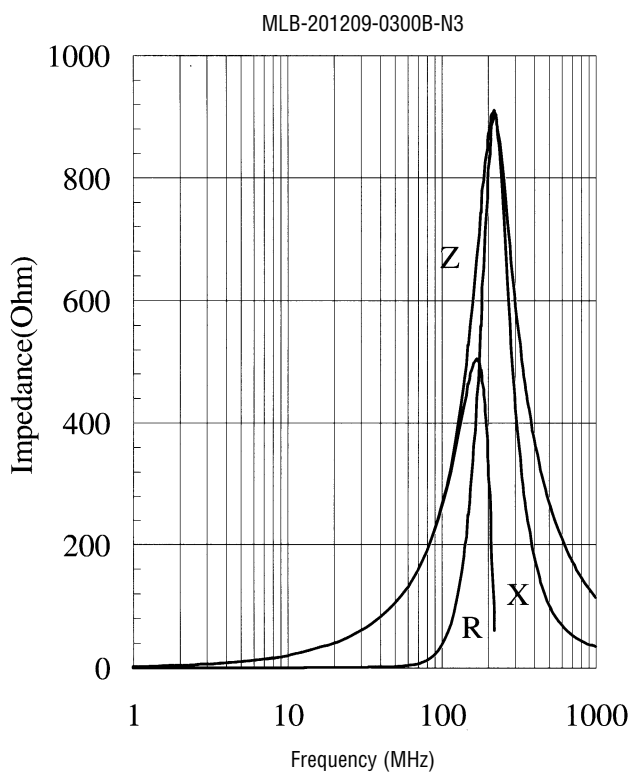
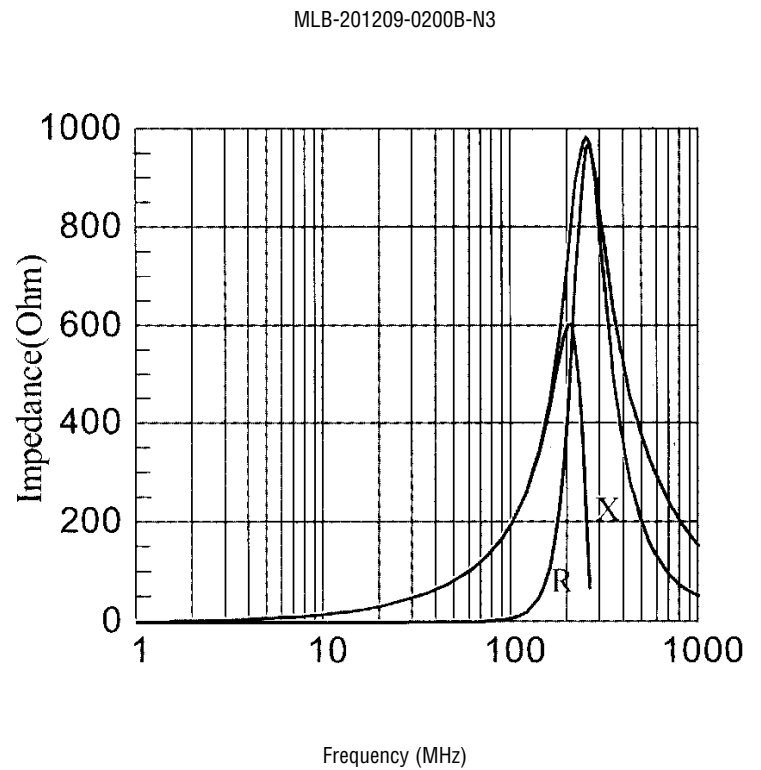
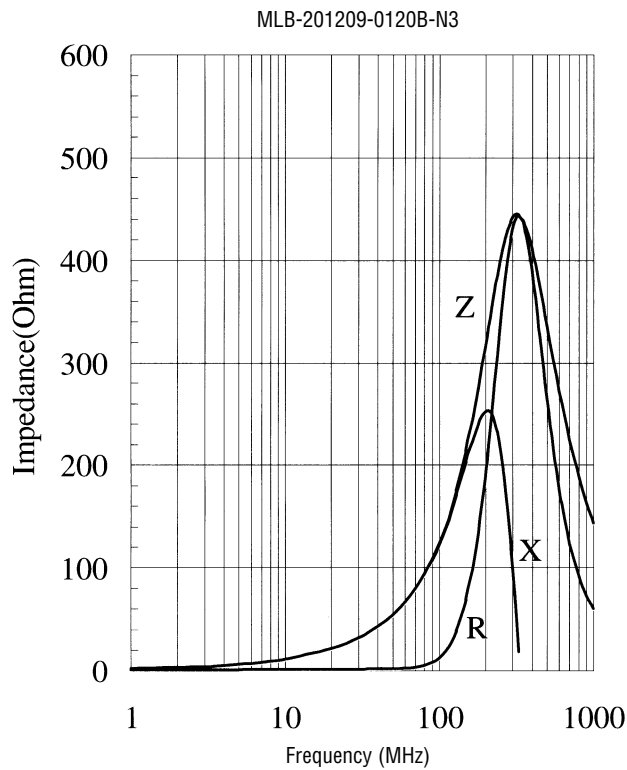
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