

MULTILAYER TYPE

HIGH CURRENT FERRITE CHIP BEAD



- Impedance Range: 30 to 1300 Ω .
- Operating Temperature Range: -55°C to +125°C.
- Soldering Method: Reflow or Wave Soldering, suitable for lead free soldering.
- Packaging Method: Tape & Reel (per EIA Specifications).
- Storage Temperature: max. 40°C, RH 70%.
- ROHS compliant.



Features

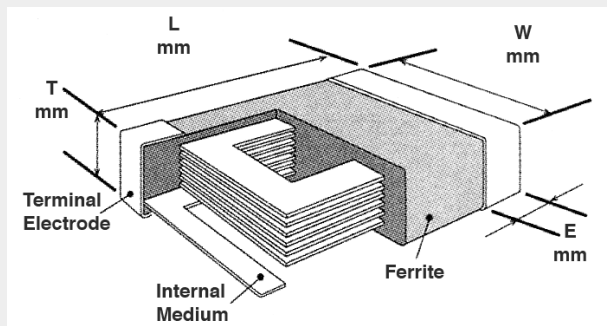
- Combination of high frequency noise suppression with capability of handling high current.
- Current ratings up to 6 Amps with low DCR.

Application Field

- High current DC power lines, Circuits where a Stable ground is unavailable.

Part Number Code

| | | | | | |
|-------------|---------------|---|---|---------------------------------|------------------------|
| MLB | 160808 | - | 0060 | P | N |
| Series Name | Size Code | | Impedance (ex.0010 =10 Ω \pm 25%) | Classification (A, B, and P) | Rated Current |
| | | | | | L= 1000mA Q= 3000mA |
| | | | | | M= 1500mA R= 4000mA |
| | | | | | N= 2000mA U= 5000mA |
| | | | | | P= 2500mA W= 6000mA |



Shape and Dimensions

| Size code | Size | Length(L) | Width (W) | Thickness (T) | Electrode Width (E) |
|-----------|--------|----------------|----------------|----------------|---------------------|
| 0603 | 160808 | 1.6 \pm 0.15 | 0.8 \pm 0.15 | 0.8 \pm 0.15 | 0.3 \pm 0.2 |
| 0805 | 201209 | 2.0 \pm 0.2 | 1.25 \pm 0.2 | 0.9 \pm 0.2 | 0.5 \pm 0.3 |
| 1206 | 311611 | 3.2 \pm 0.2 | 1.6 \pm 0.2 | 1.1 \pm 0.2 | 0.5 \pm 0.3 |
| 1210 | 322513 | 3.2 \pm 0.2 | 2.5 \pm 0.2 | 1.3 \pm 0.2 | 0.5 \pm 0.3 |
| 1806 | 451616 | 4.5 \pm 0.25 | 1.6 \pm 0.2 | 1.6 \pm 0.2 | 0.6 \pm 0.4 |
| 1812 | 453215 | 4.5 \pm 0.25 | 3.2 \pm 0.25 | 1.5 \pm 0.25 | 0.6 \pm 0.4 |

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Specifications

| P/N with standard rated current | Impedance (Ω) +/- 25% | Test Freq. (MHz) | DCR max.(Ω) | Standard Rated Current (mA) | Rated Current Selection Chart (mA) | | | | | | | | |
|---------------------------------|--------------------------|------------------|-------------|-----------------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| | | | | | L | M | N | P | Q | R | U | W | |
| MLB-160808-0030PQ | 30 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | | | | |
| MLB-160808-0060PQ | 60 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-160808-0080PQ | 80 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | | | | |
| MLB-160808-0120PP | 120 | 100 | 0.070 | 2500 | 1000 | 1500 | 2000 | 2500 | - | - | - | - | |
| MLB-160808-0220PN | 220 | 100 | 0.090 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-160808-0300PN | 300 | 100 | 0.090 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-160808-0450PM | 450 | 100 | 0.150 | 1500 | 1000 | 1500 | - | - | - | - | - | - | |
| MLB-160808-0600PL | 600 | 100 | 0.200 | 1000 | 1000 | 1500 | - | - | - | - | - | - | |
| MLB-201209-0011PW | 11 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-201209-0031PW | 31 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-201209-0040PR | 40 | 100 | 0.030 | 4000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | - | - | |
| MLB-201209-0060PQ | 60 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-201209-0080PU | 80 | 100 | 0.020 | 5000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | - | |
| MLB-201209-0090PU | 90 | 100 | 0.020 | 5000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | - | |
| MLB-201209-0120PU | 120 | 100 | 0.020 | 5000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | - | |
| MLB-201209-0220PQ | 220 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-201209-0250PQ | 250 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-201209-0300PN | 300 | 100 | 0.090 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-201209-0330PN | 330 | 100 | 0.090 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-201209-0600PN | 600 | 100 | 0.090 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-321611-0050PW | 50 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-321611-0060PQ | 60 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-321611-0075PQ | 75 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
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| MLB-321611-0090PQ | 90 | 100 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-321611-0120PW | 120 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-321611-0150PN | 150 | 100 | 0.090 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-321611-0500PP | 500 | 100 | 0.070 | 2500 | 1000 | 1500 | 2000 | 2500 | - | - | - | - | |
| MLB-321611-0600PP | 600 | 100 | 0.070 | 2500 | 1000 | 1500 | 2000 | 2500 | - | - | - | - | |
| MLB-321611-1200PL | 1200 | 100 | 0.200 | 1000 | 1000 | - | - | - | - | - | - | - | |
| MLB-322513-0060PM | 60 | 100 | 0.15 | 1500 | 1000 | 1500 | - | - | - | - | - | - | |
| MLB-322513-1000PN | 1000 | 100 | 0.09 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-451616-0060PW | 60 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-451616-0080PW | 80 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-451616-0470PN | 470 | 100 | 0.09 | 2000 | 1000 | 1500 | 2000 | - | - | - | - | - | |
| MLB-451616-0850PM | 850 | 100 | 0.15 | 1500 | 1000 | 1500 | - | - | - | - | - | - | |
| MLB-453215-0080PW | 80 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-453215-0120PW | 120 | 100 | 0.020 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-453215-0150PW | 150 | 100 | 0.015 | 6000 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 | |
| MLB-453215-0600PQ | 600 | 50 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-453215-0680PQ | 680 | 50 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |
| MLB-453215-1300PQ | 1300 | 60 | 0.040 | 3000 | 1000 | 1500 | 2000 | 2500 | 3000 | - | - | - | |

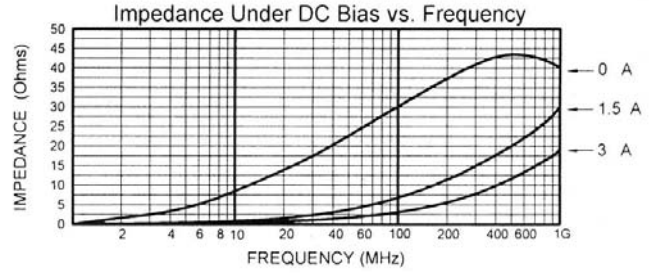
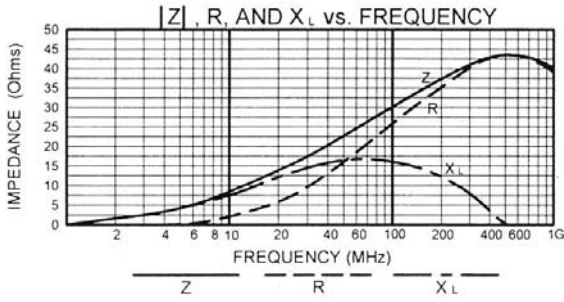
3000 Standard rated current
2500 available option

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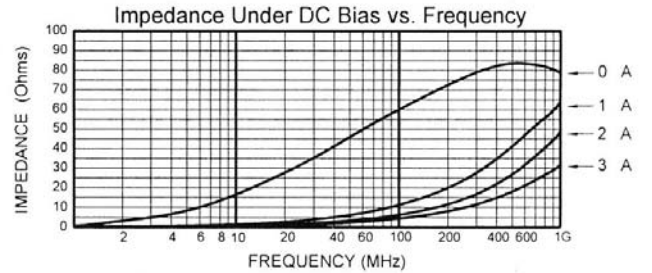
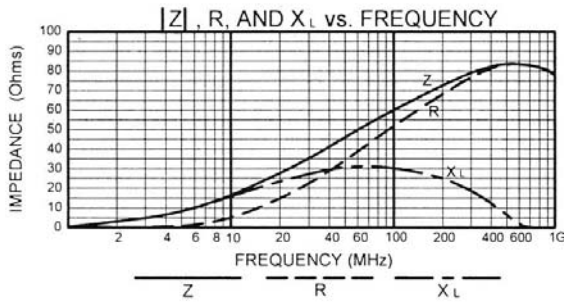
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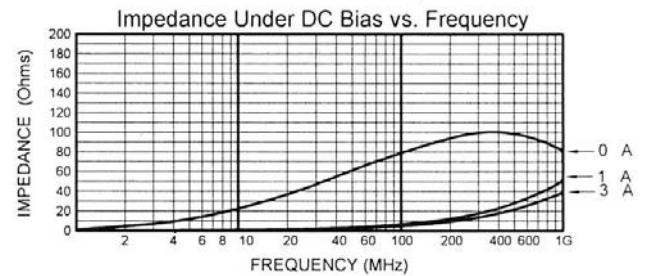
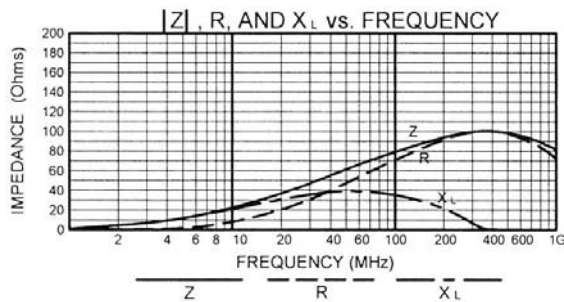
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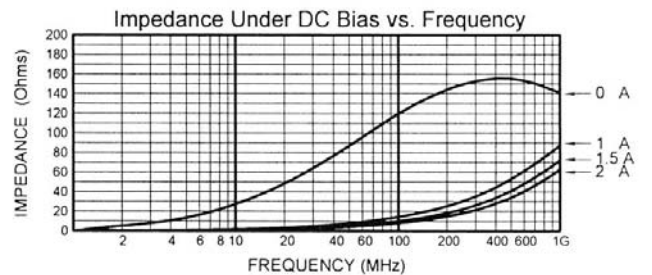
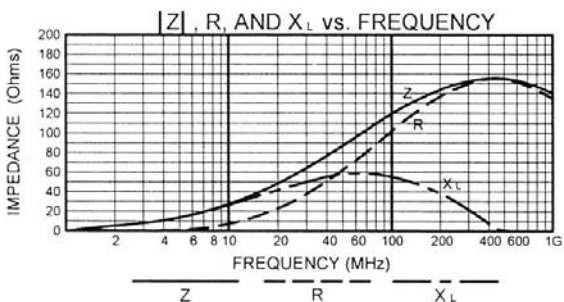
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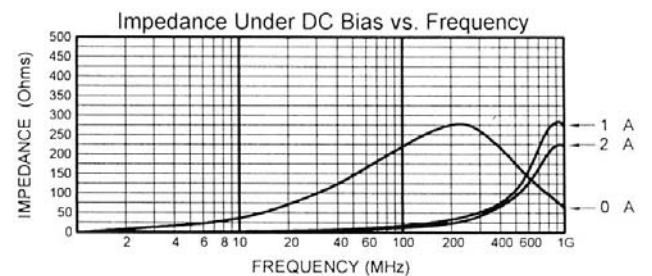
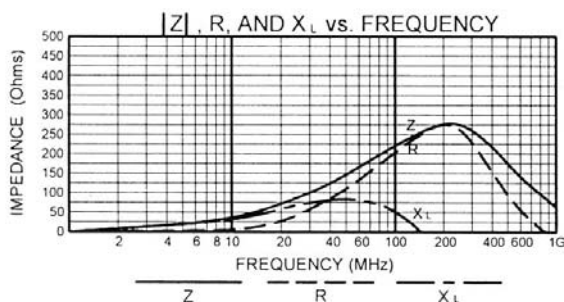
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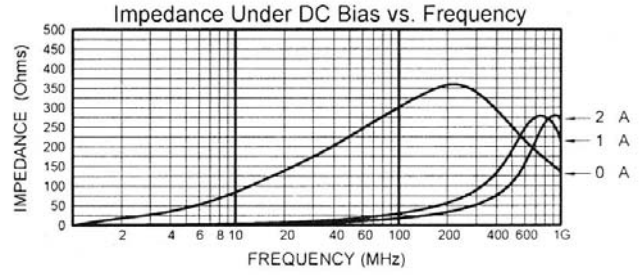
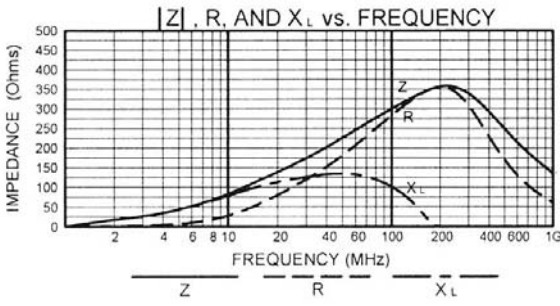
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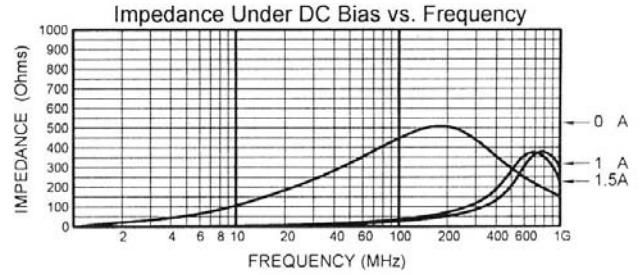
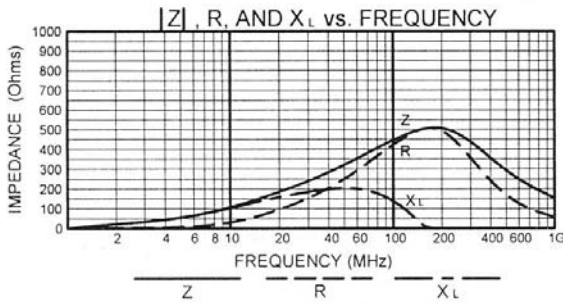
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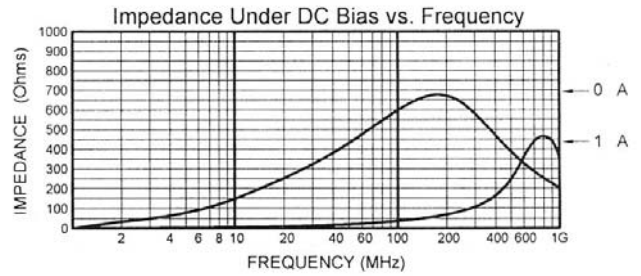
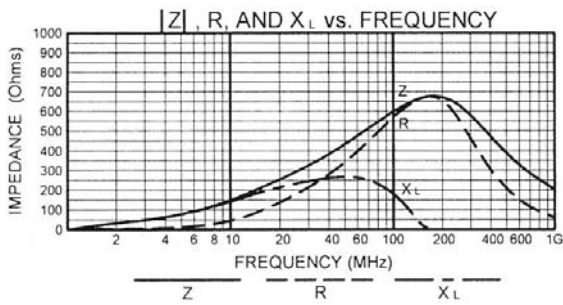
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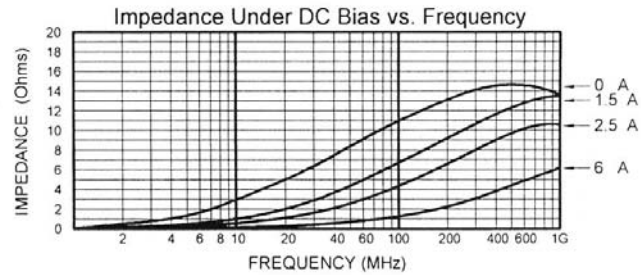
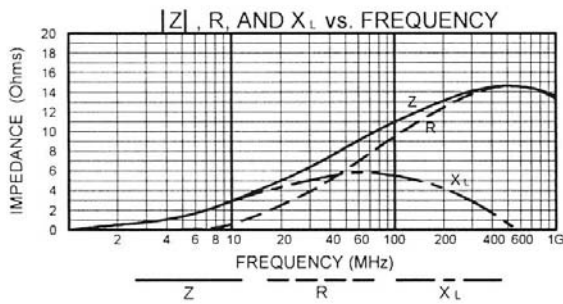
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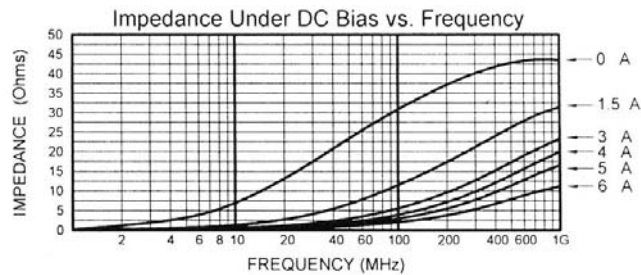
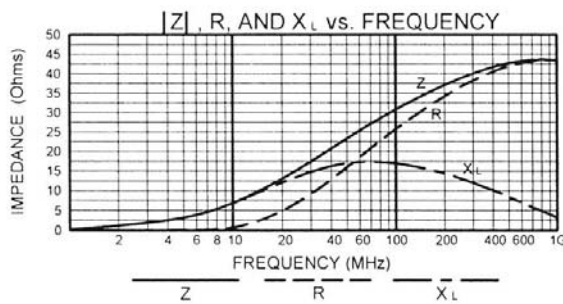
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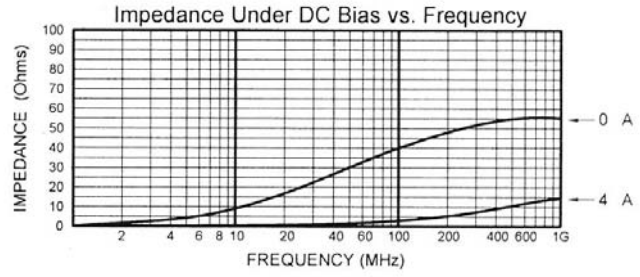
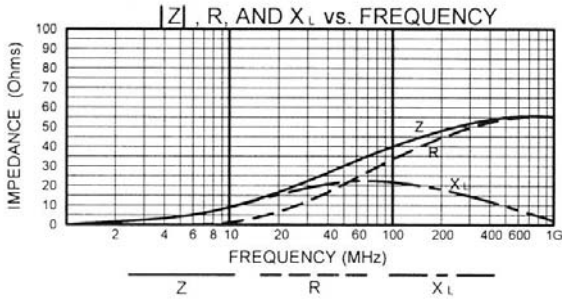


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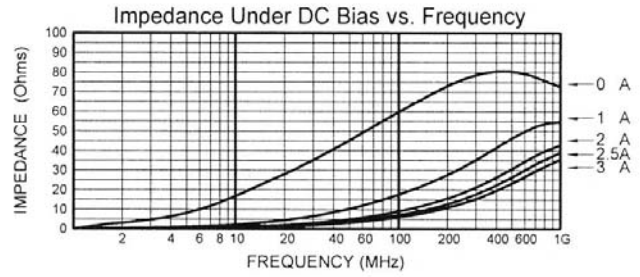
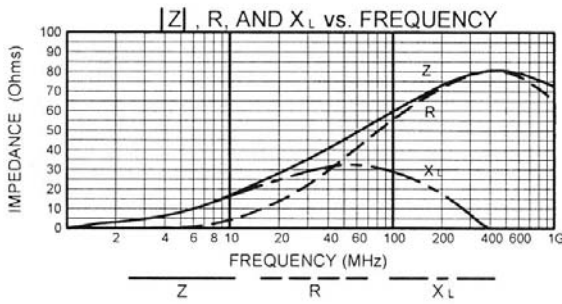
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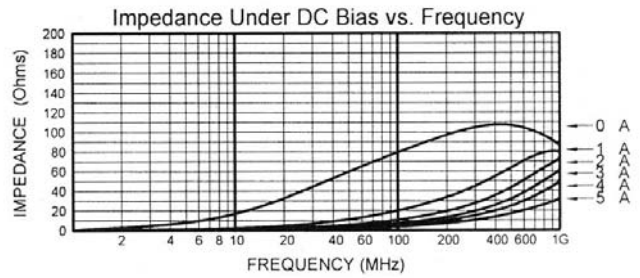
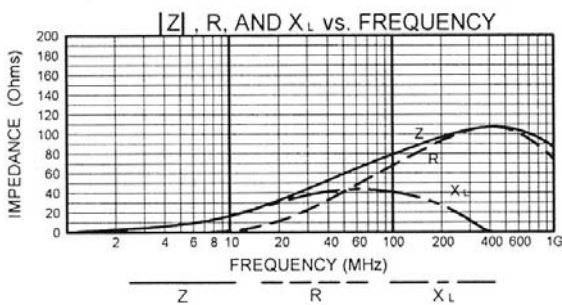
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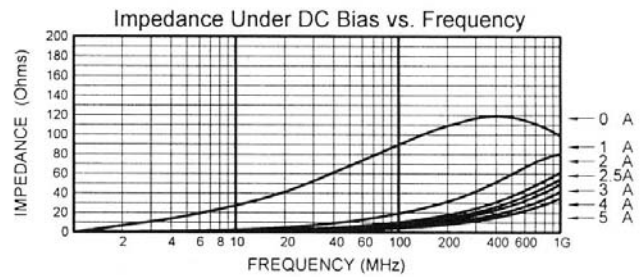
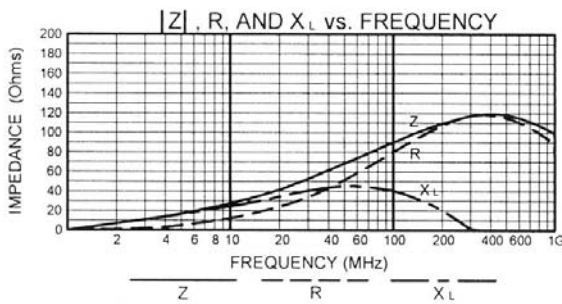
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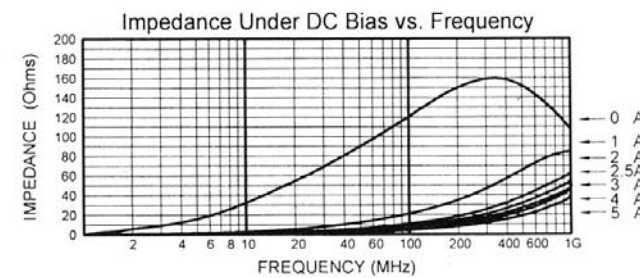
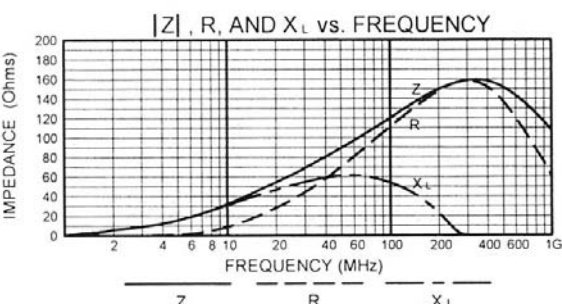
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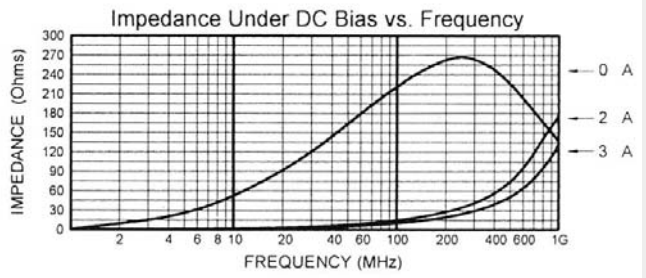
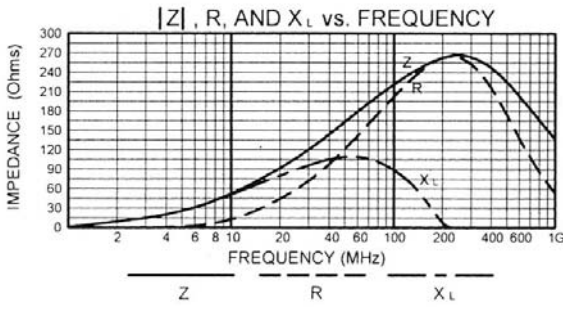
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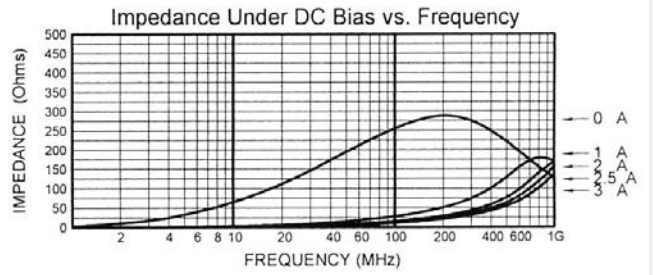
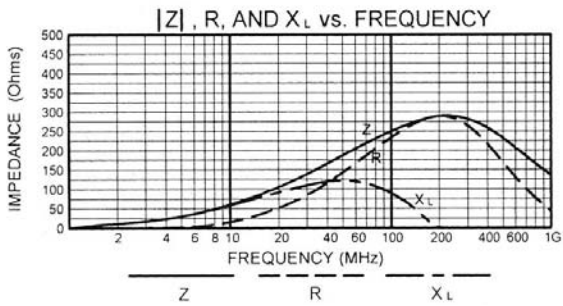
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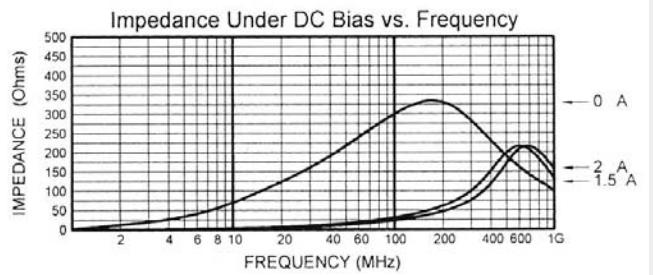
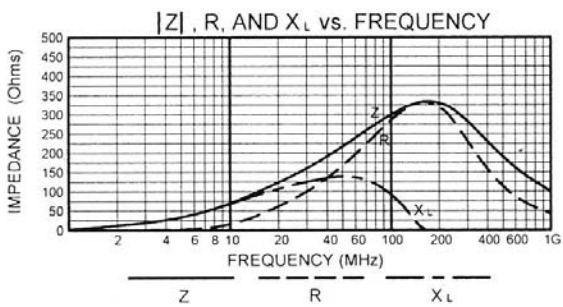
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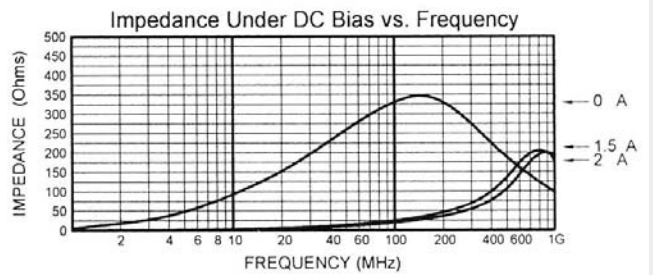
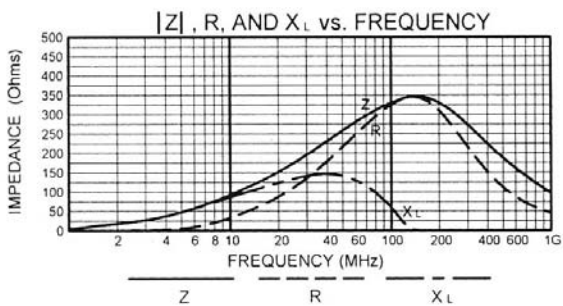
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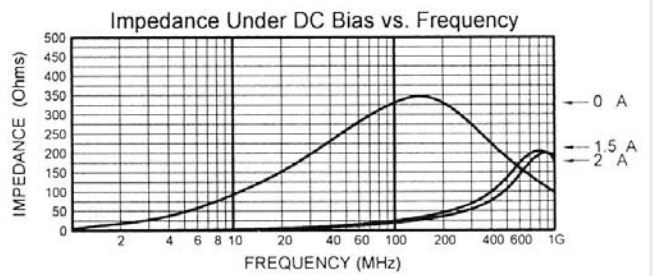
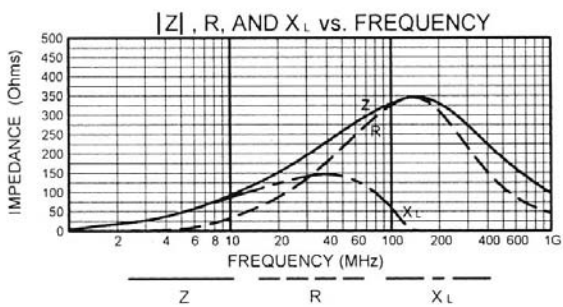
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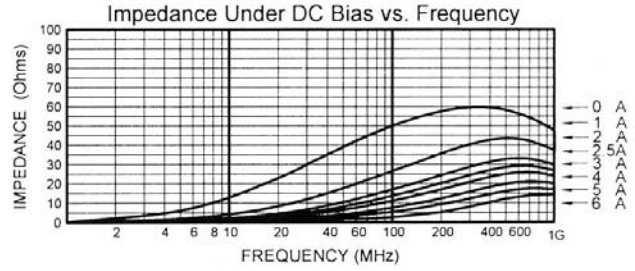
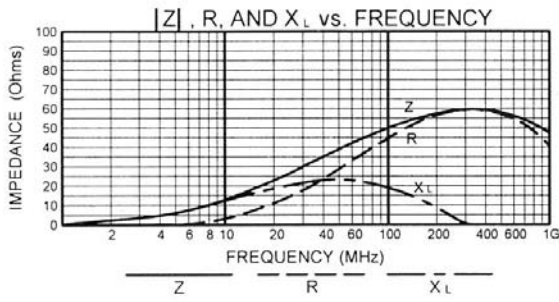


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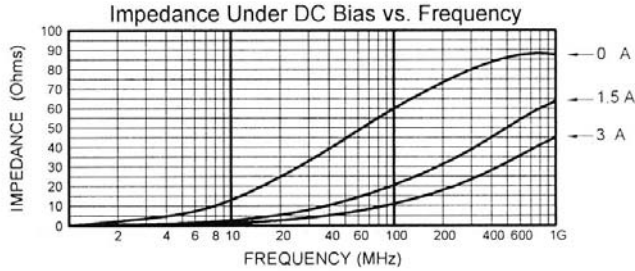
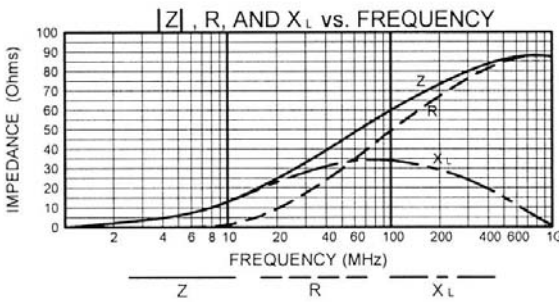
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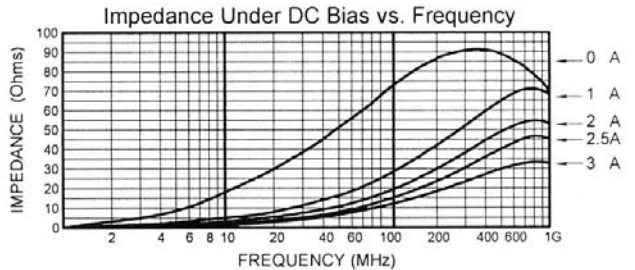
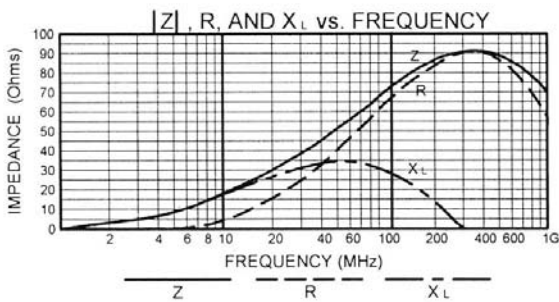
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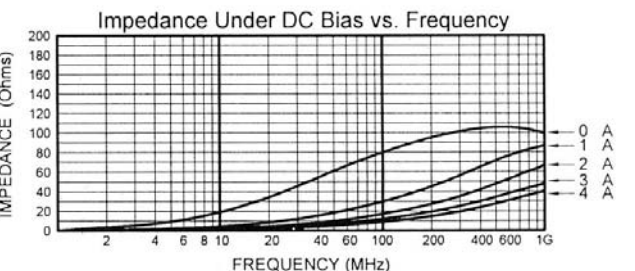
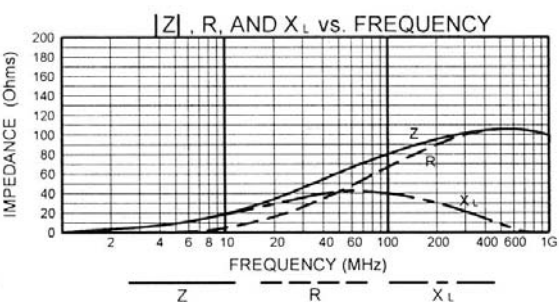
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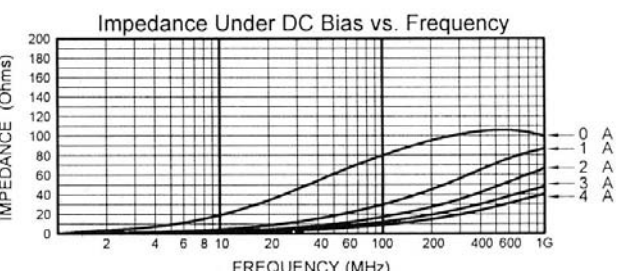
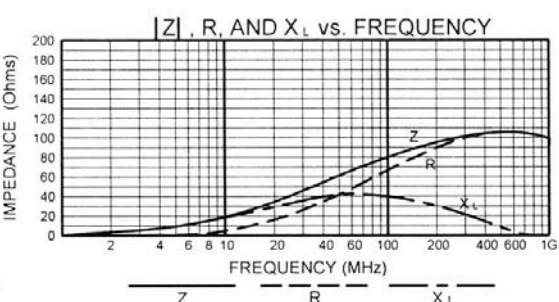
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MLB-321611-0080PR



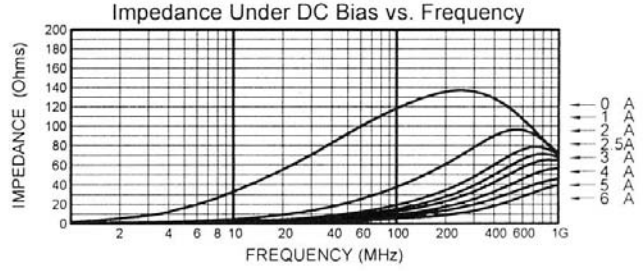
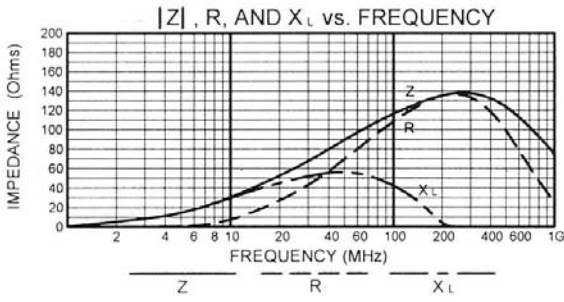
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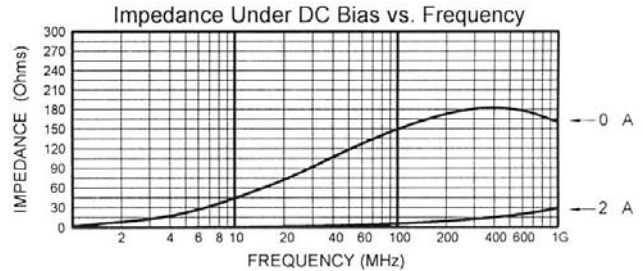
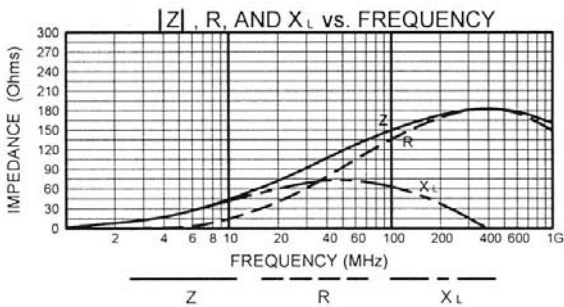
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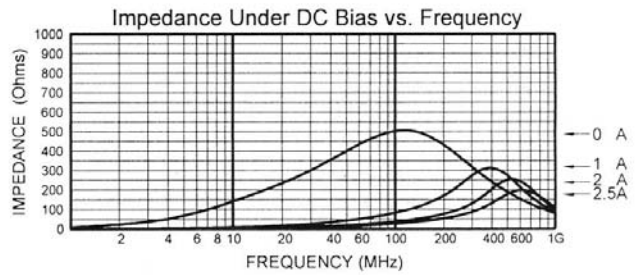
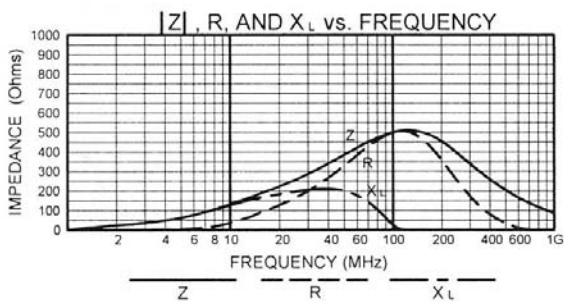
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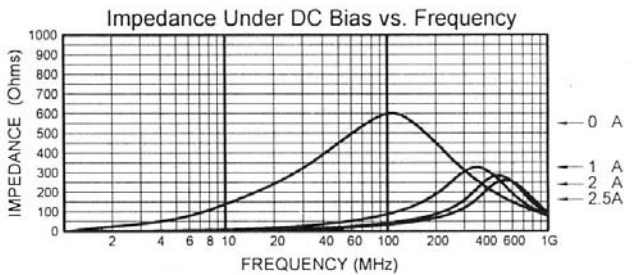
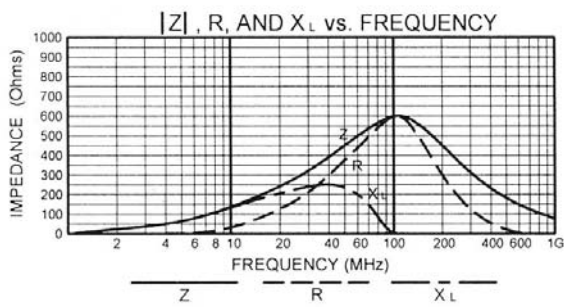
MLB-321611-0150PN



MLB-321611-0500PP



MLB-321611-0600PP

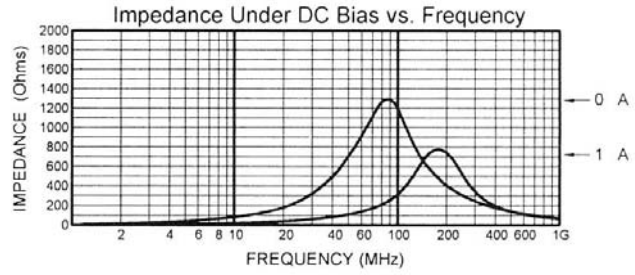
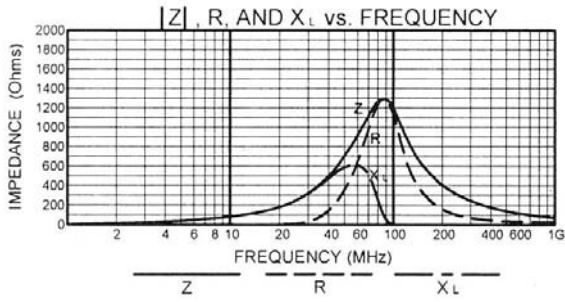


MULTILAYER TYPE

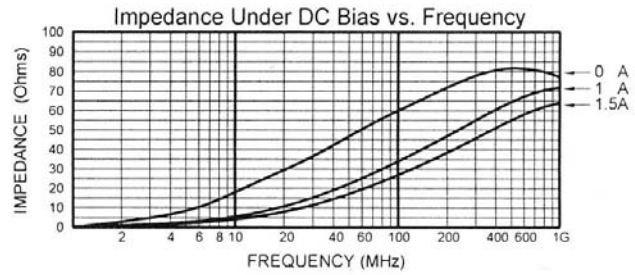
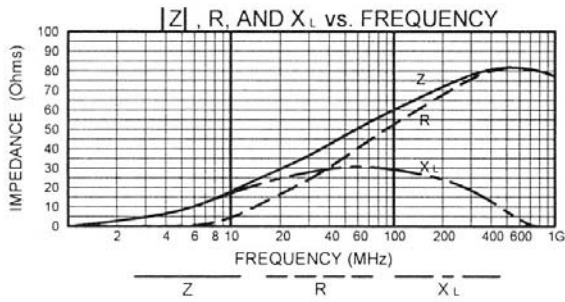
HIGH CURRENT FERRITE CHIP BEAD

MULTILAYER

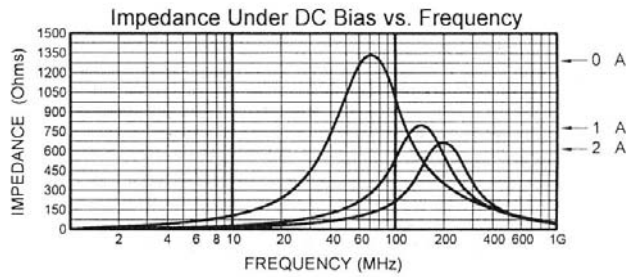
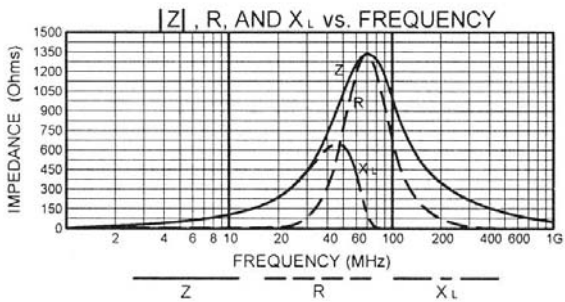
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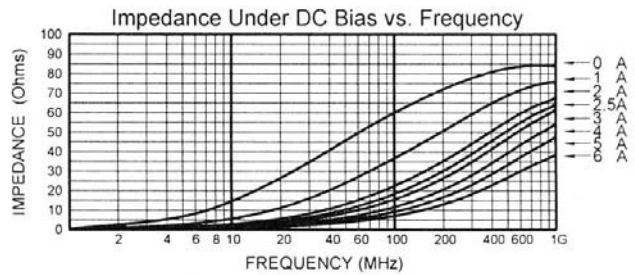
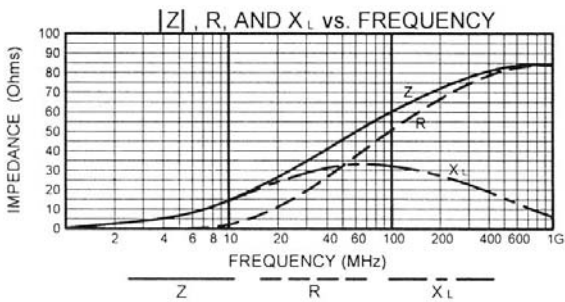
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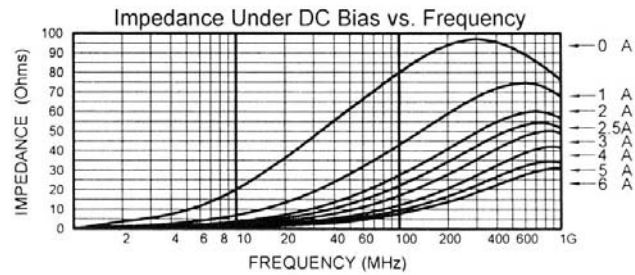
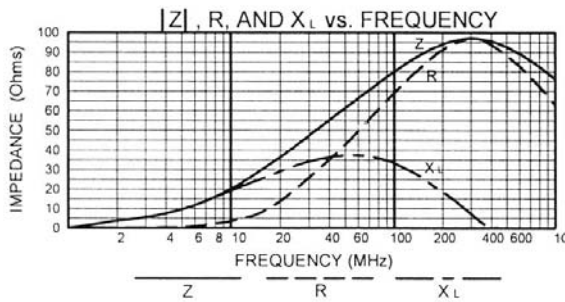
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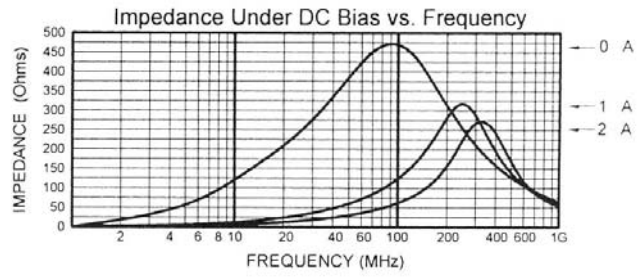
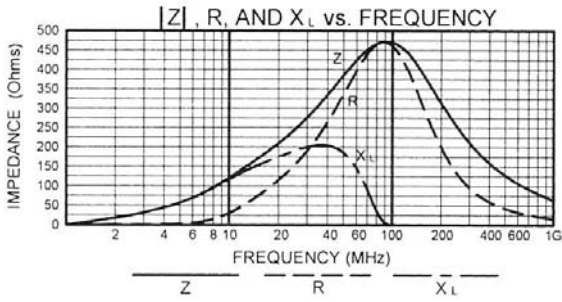
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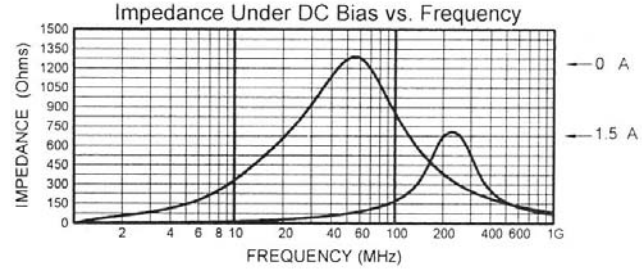
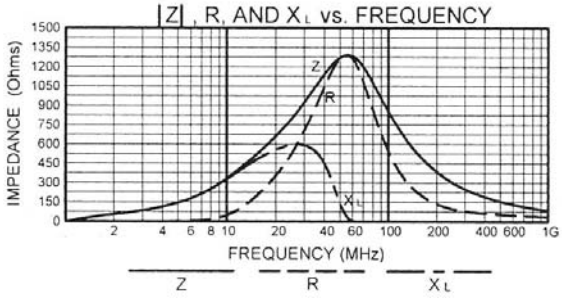
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HIGH CURRENT FERRITE CHIP BEAD

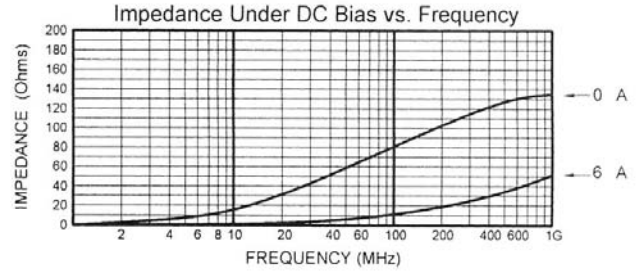
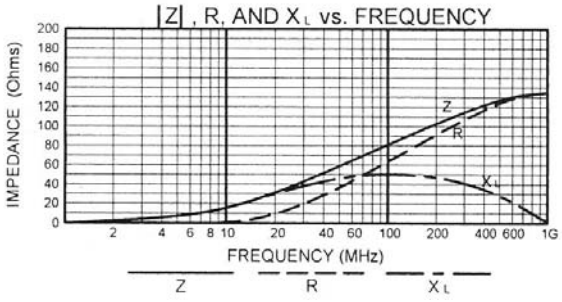
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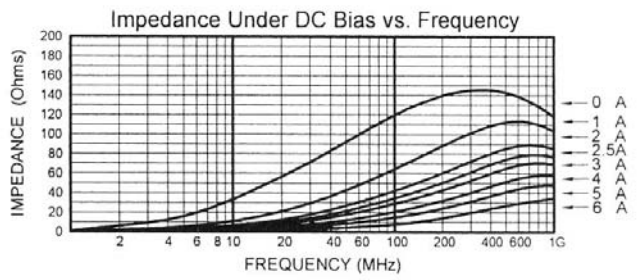
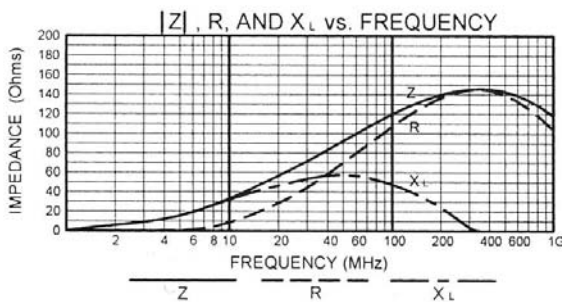
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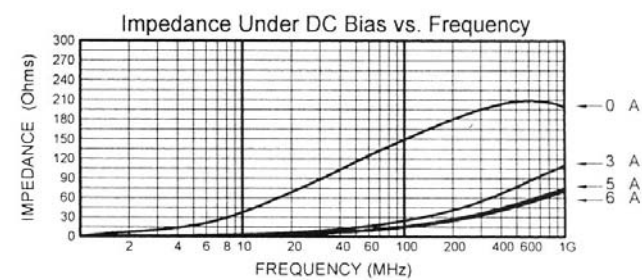
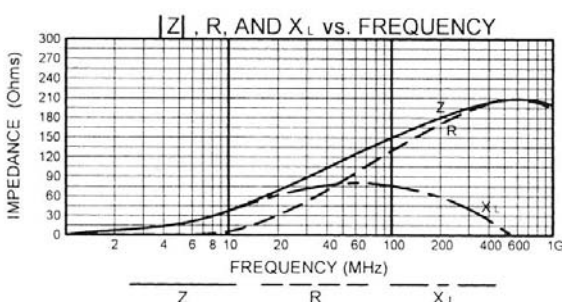
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MLB-453215-0120PW



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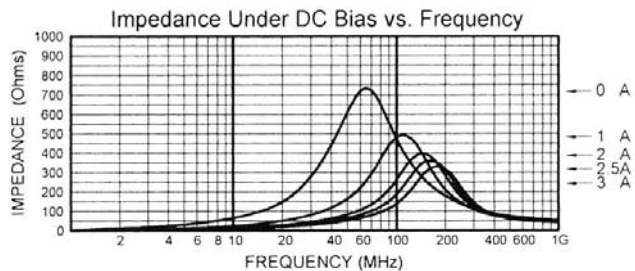
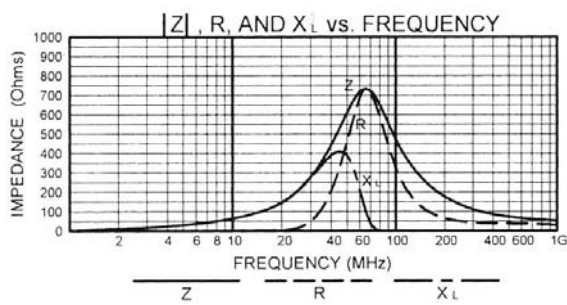


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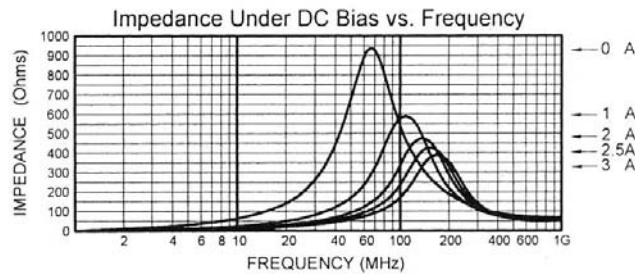
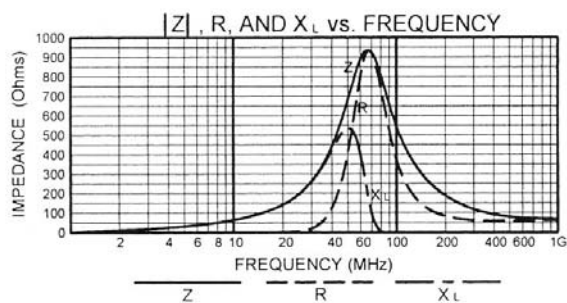
HIGH CURRENT FERRITE CHIP BEAD

MULTILAYER

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MLB-453215-0680PQ



MLB-453215-1300PQ

