

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

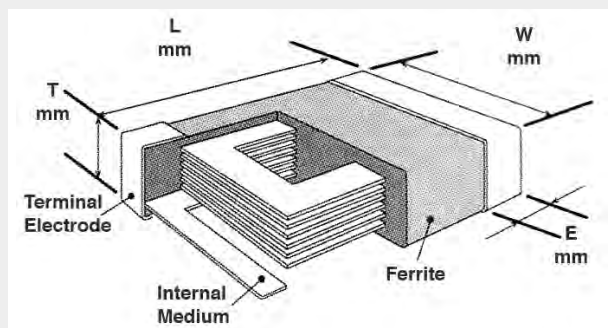
- Combination of high frequency noise suppression with capability of handling high current.
- Current ratings up to 6 Amps with low DCR.

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	-	-	-	-	
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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	-	-	-	

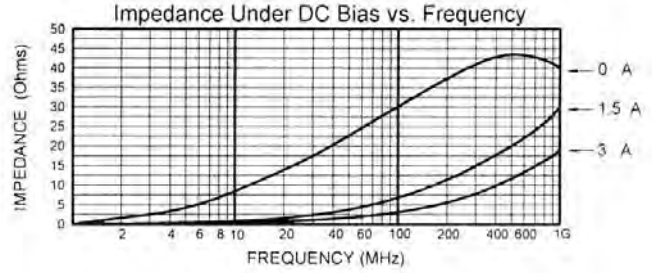
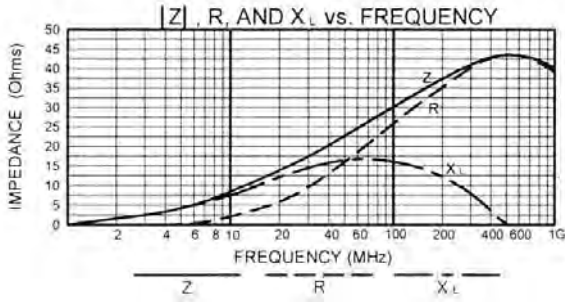
3000 Standard rated current
2500 available option

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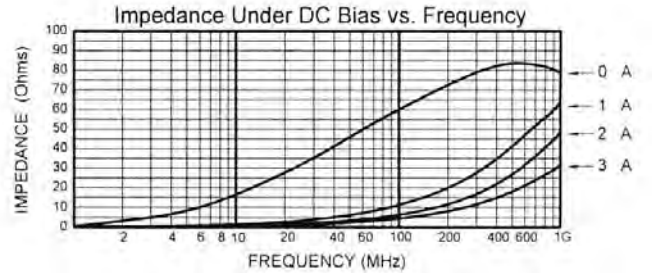
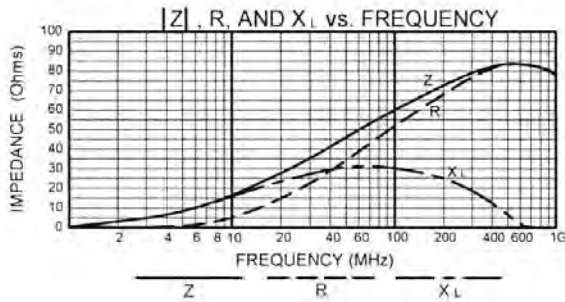
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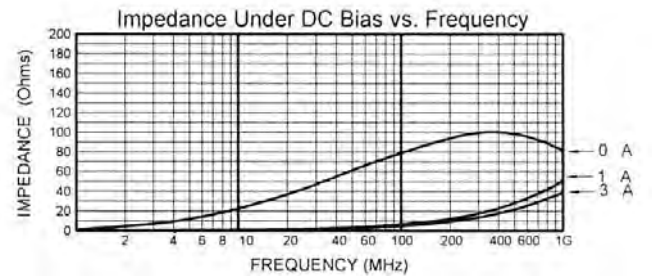
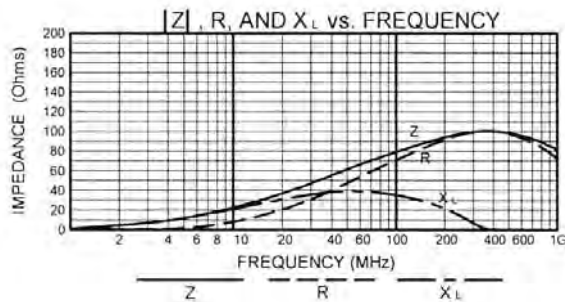
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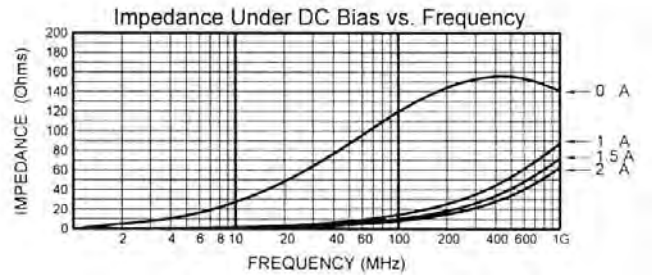
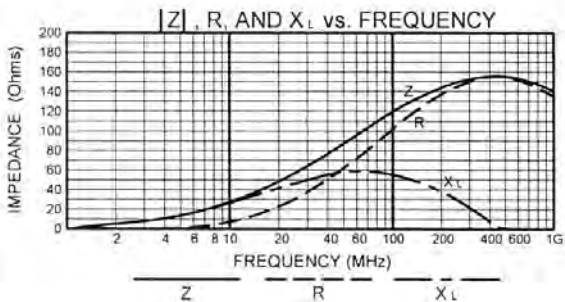
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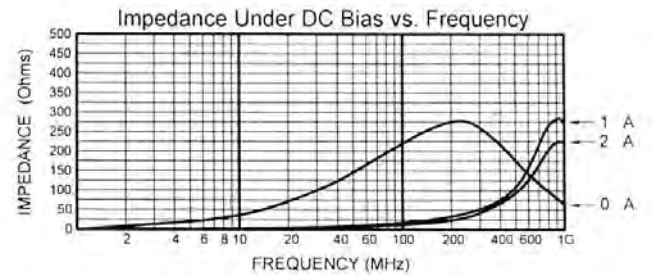
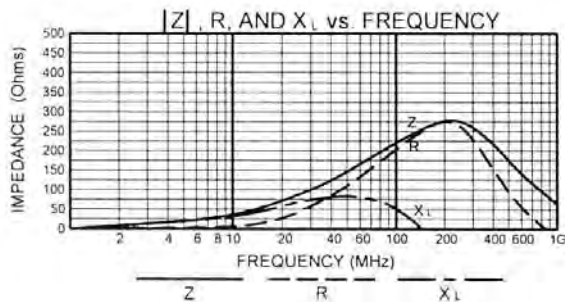
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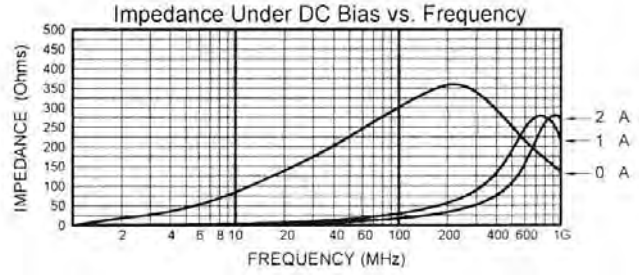
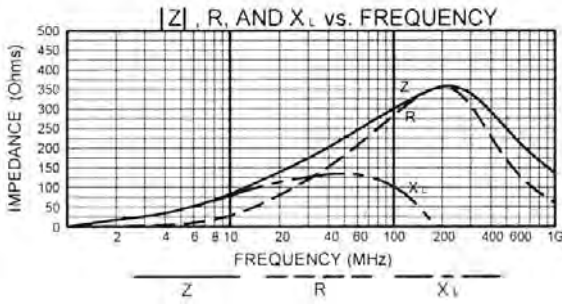
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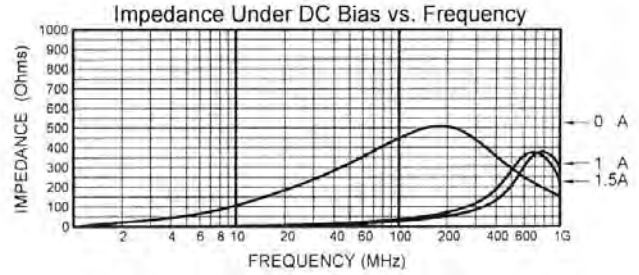
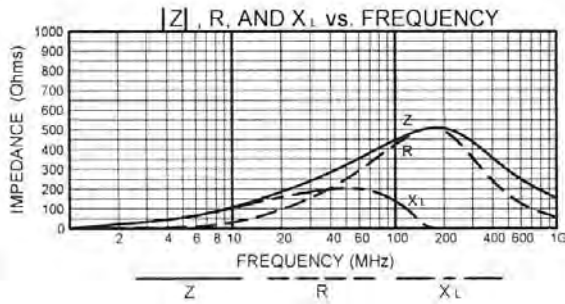
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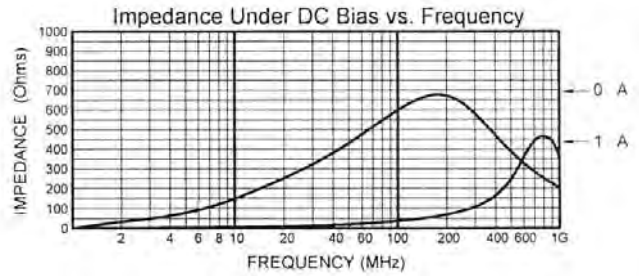
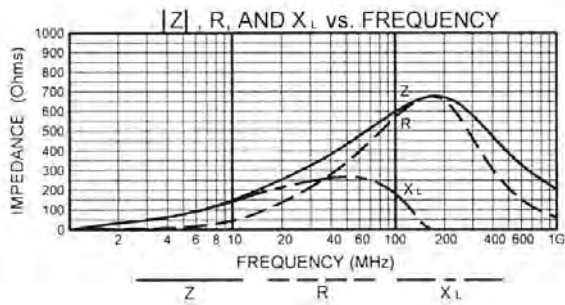
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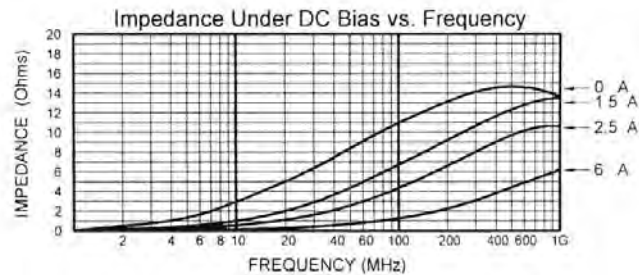
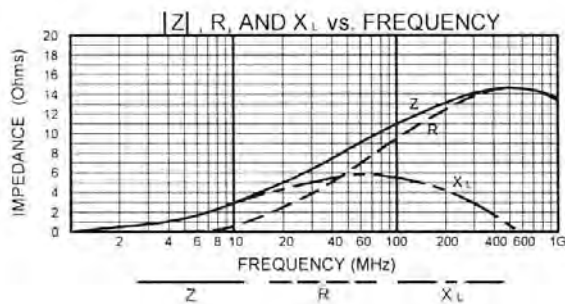
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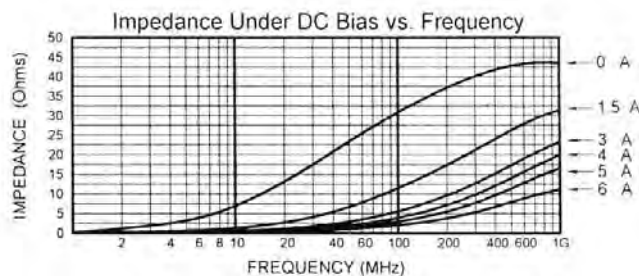
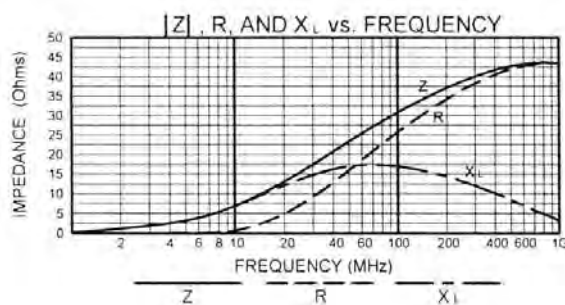
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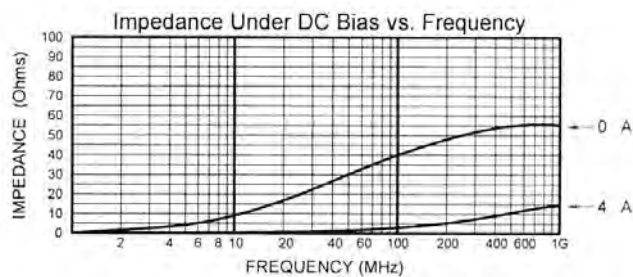
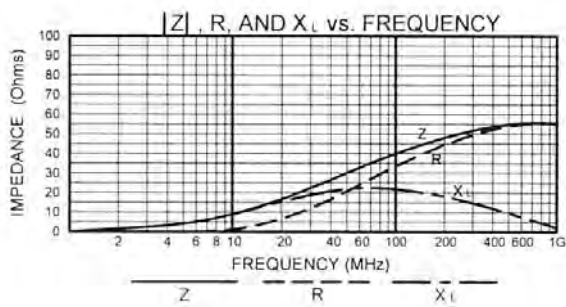


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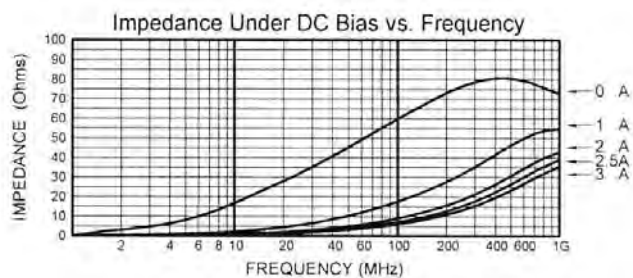
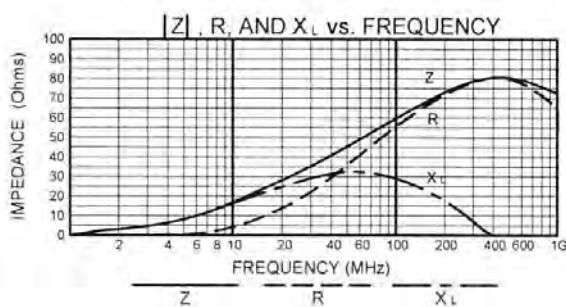
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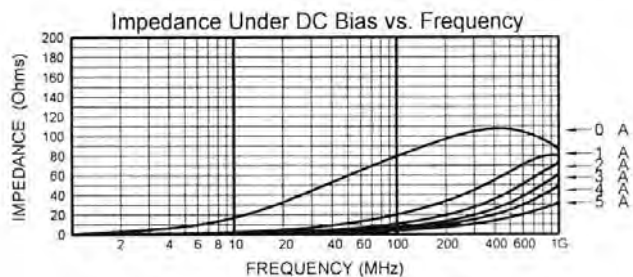
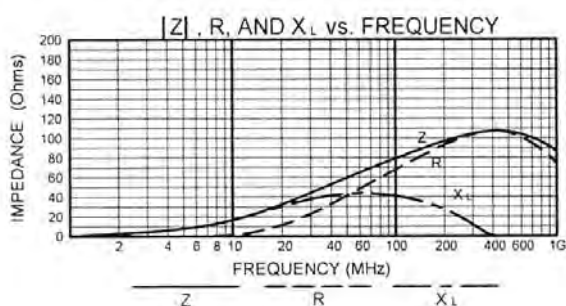
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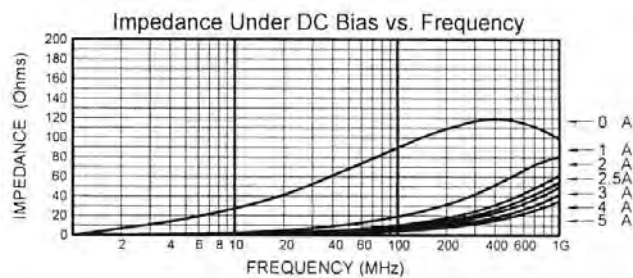
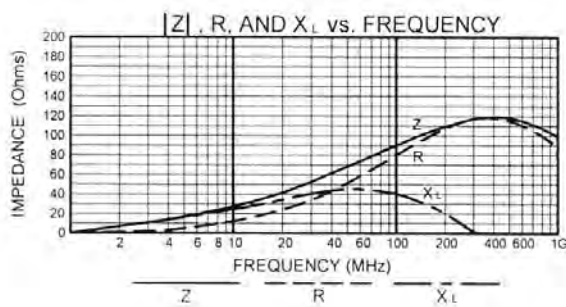
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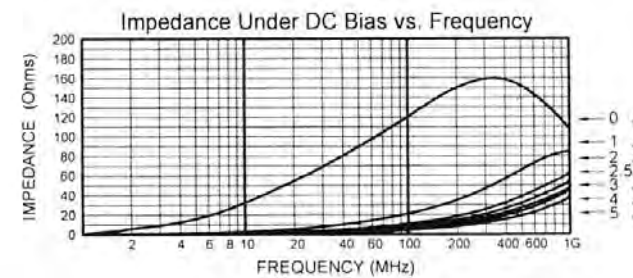
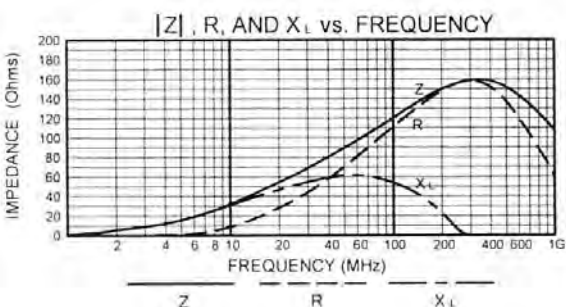
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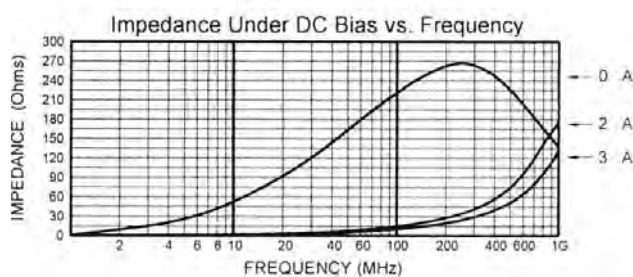
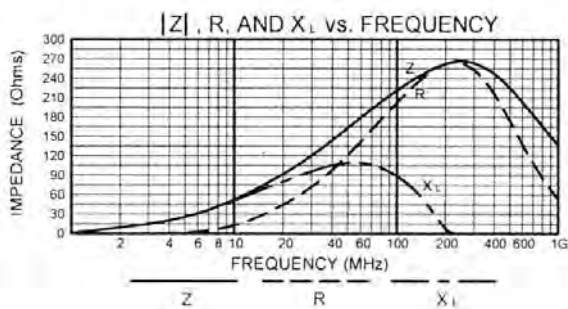


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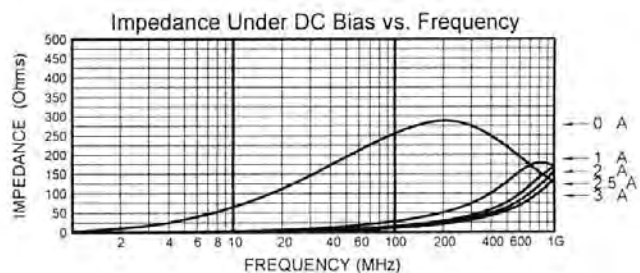
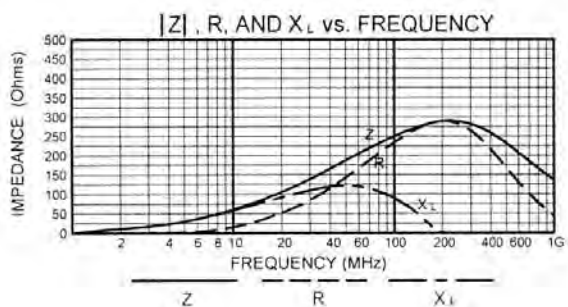
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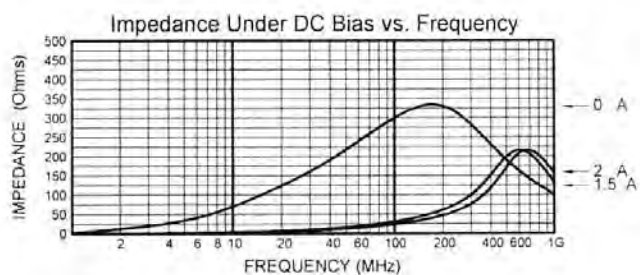
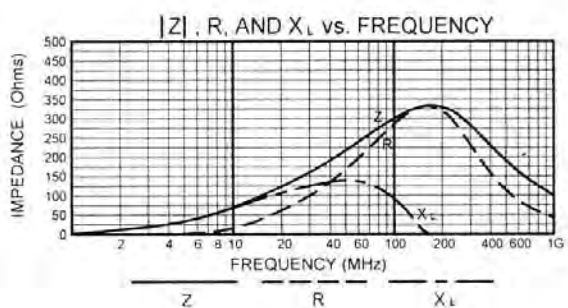
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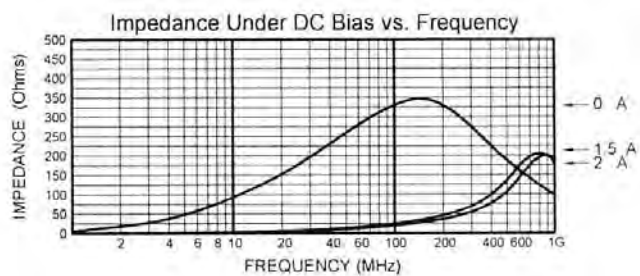
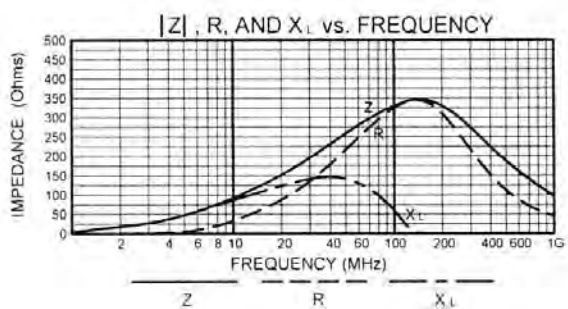
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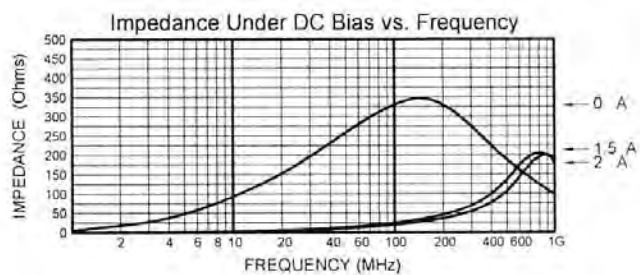
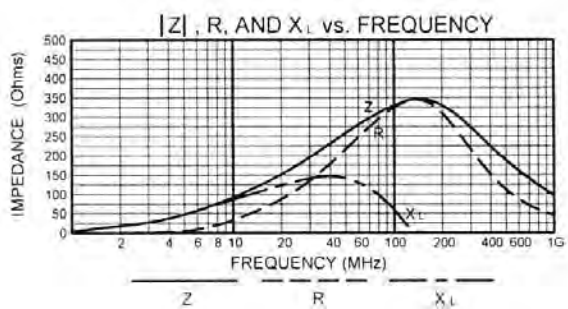
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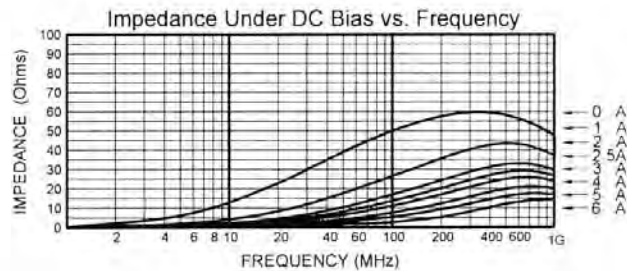
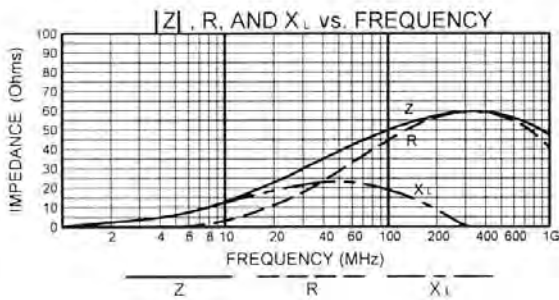


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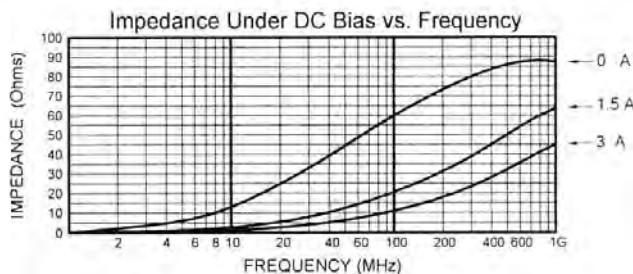
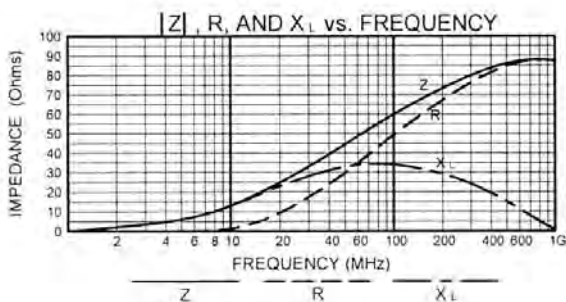
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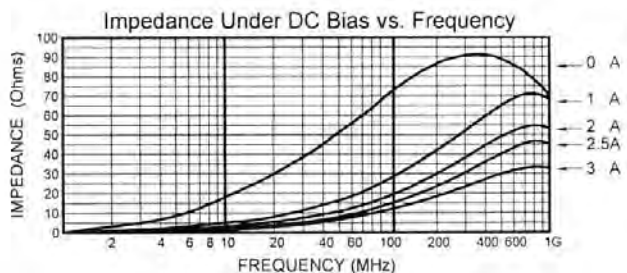
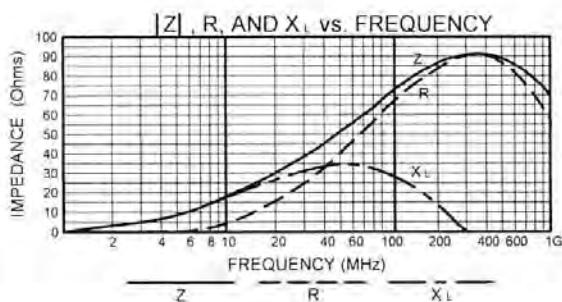
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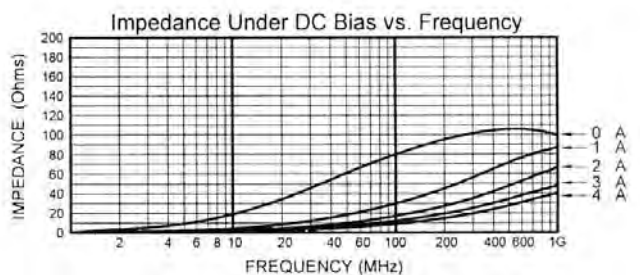
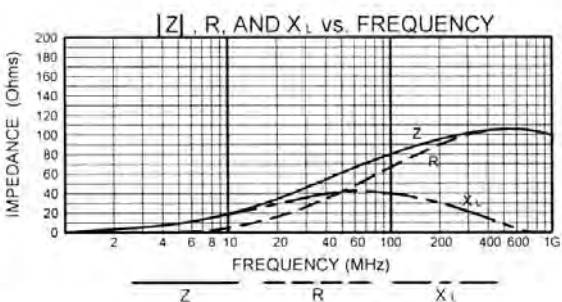
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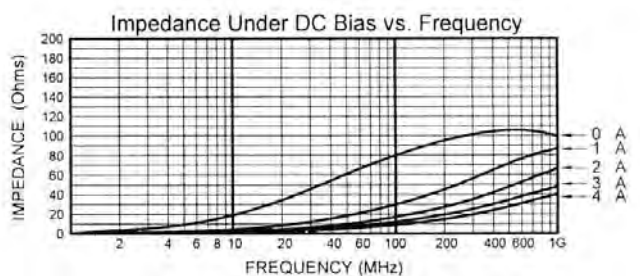
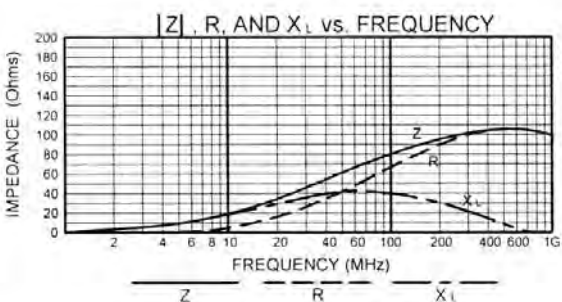
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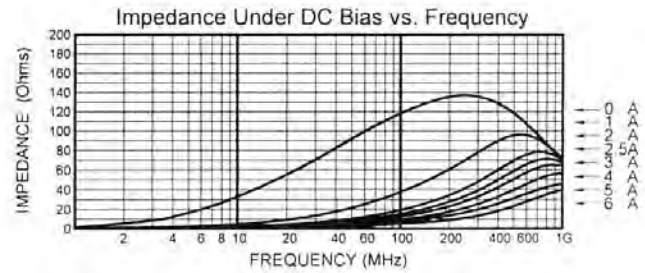
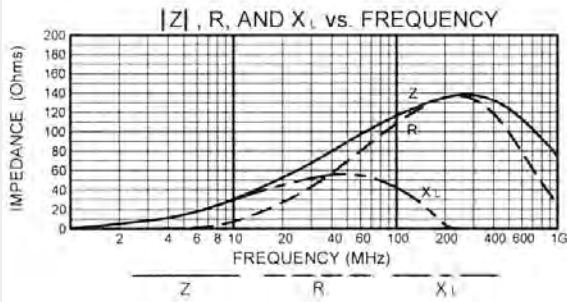


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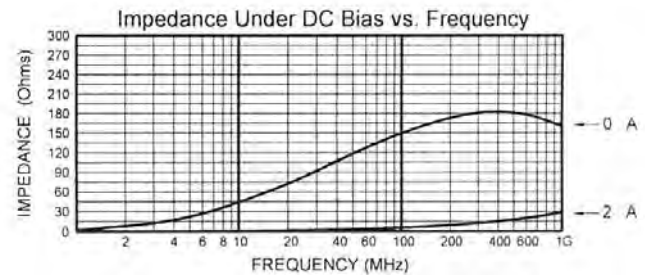
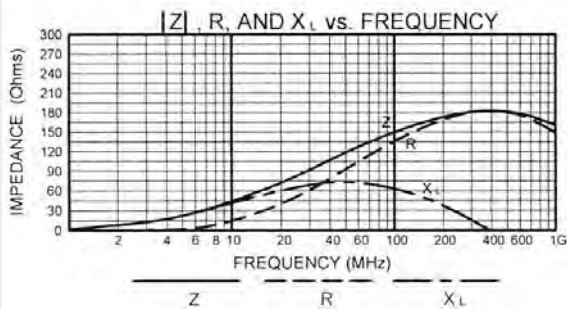
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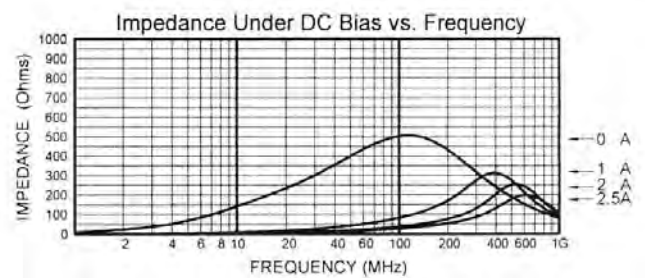
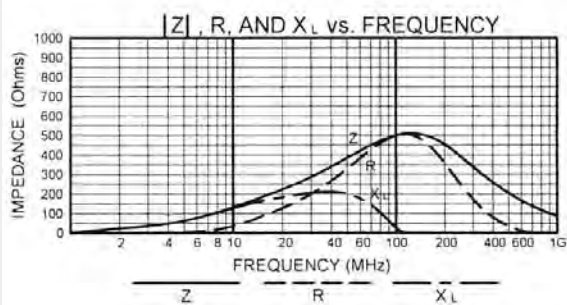
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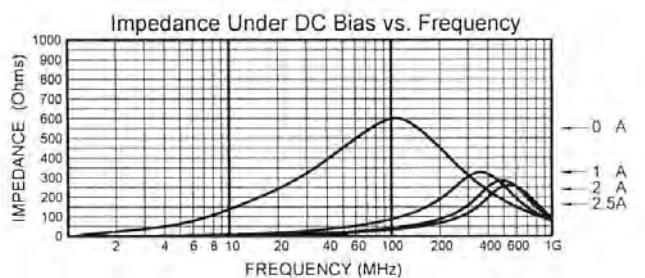
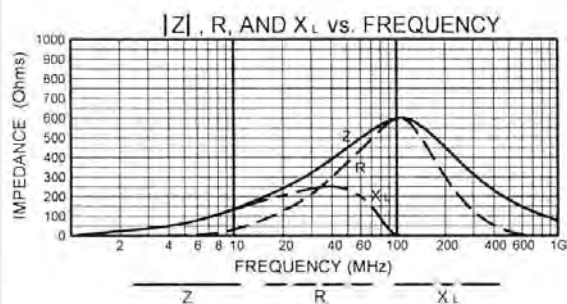
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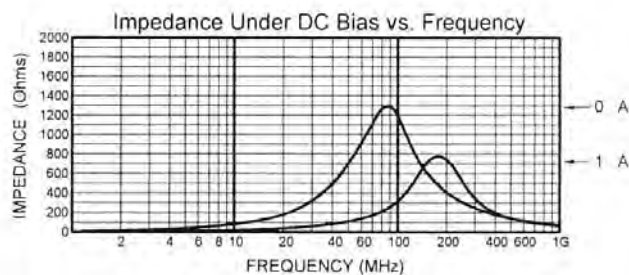
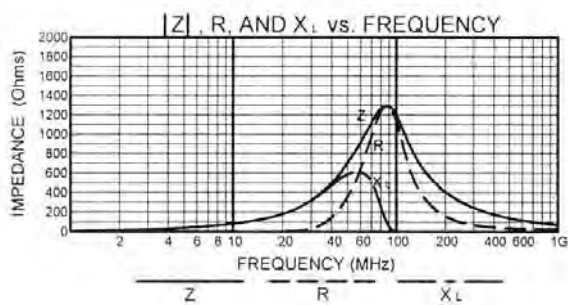


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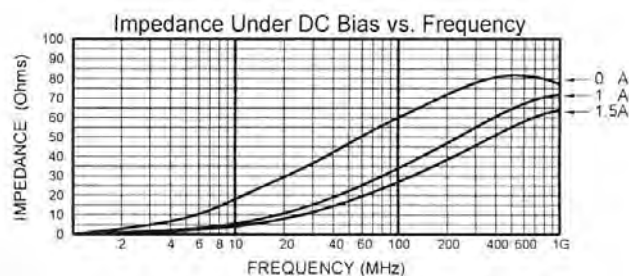
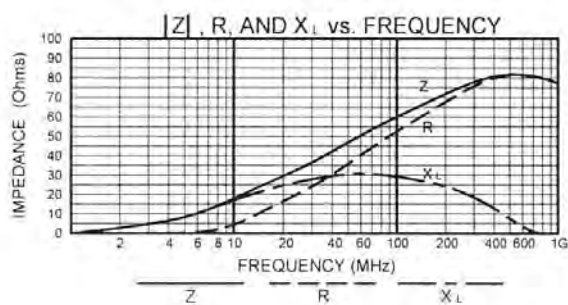
HIGH CURRENT FERRITE CHIP BEAD

MULTILAYER

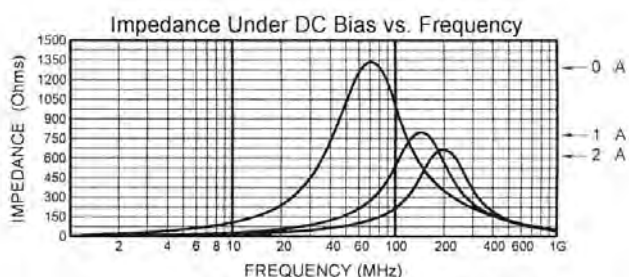
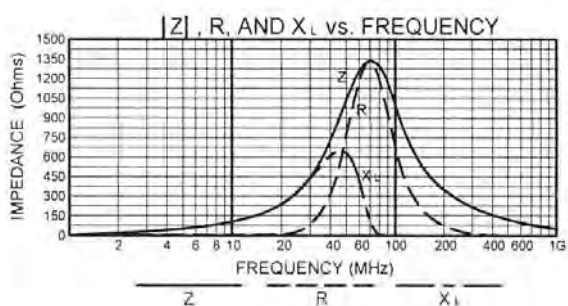
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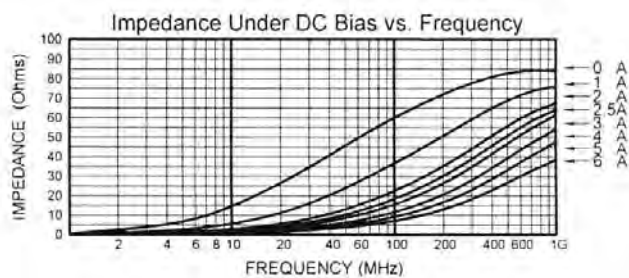
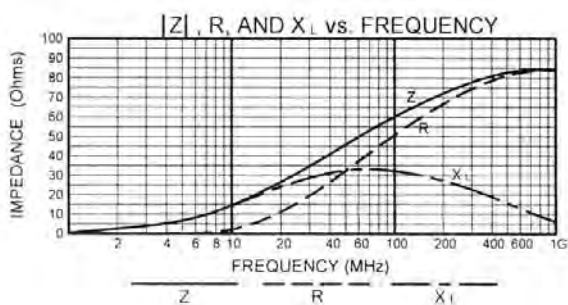
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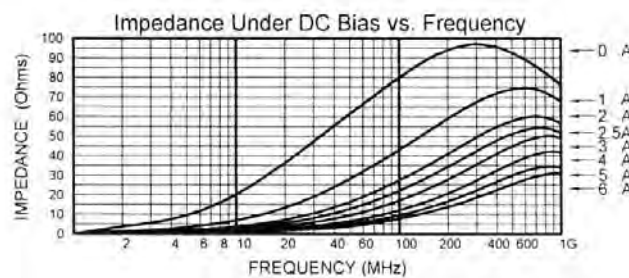
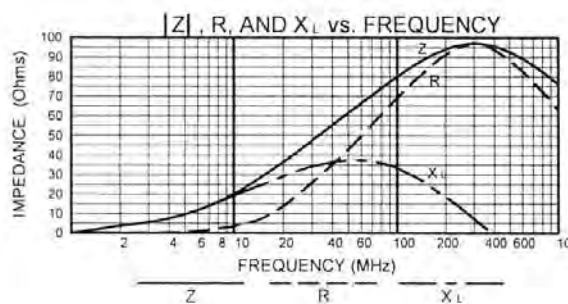
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MLB-451616-0060PW



MLB-451616-0080PW

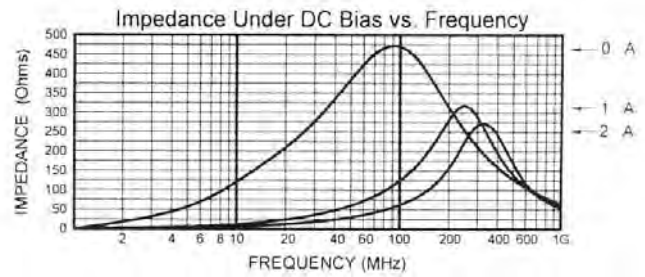
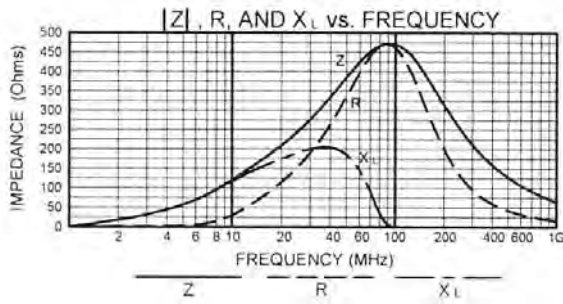


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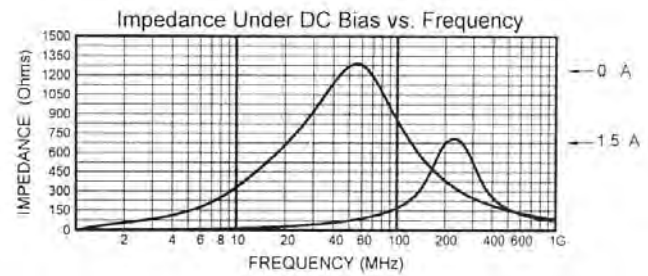
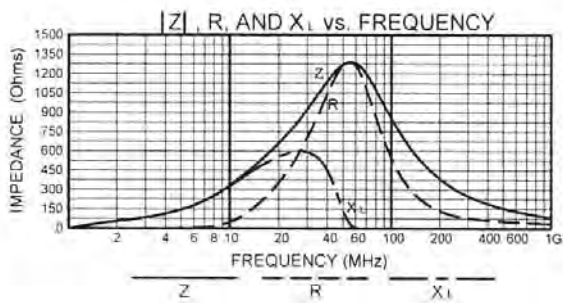
HIGH CURRENT FERRITE CHIP BEAD

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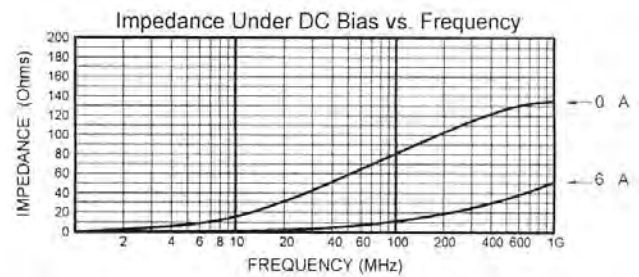
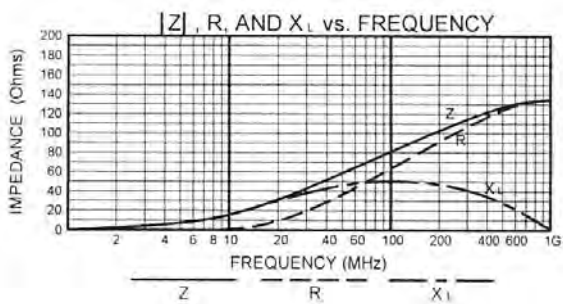
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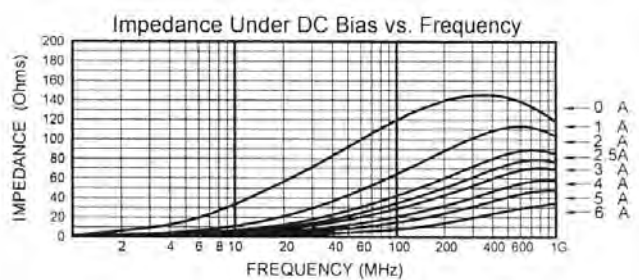
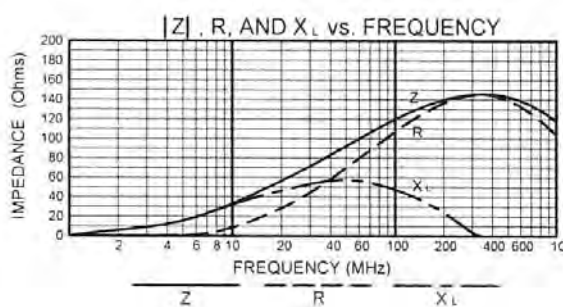
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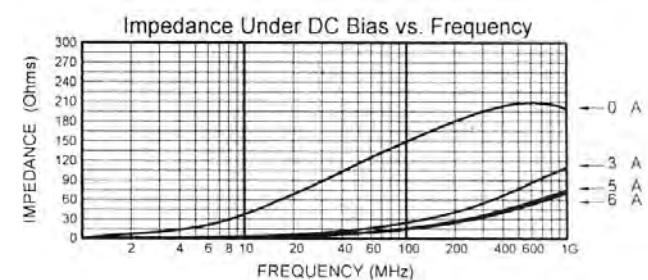
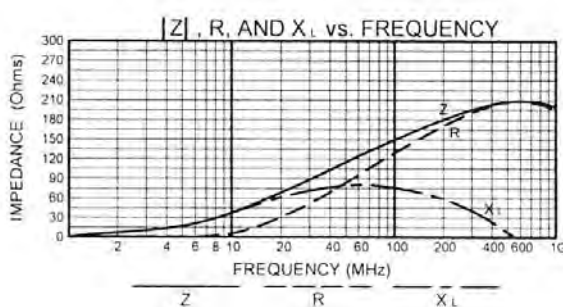
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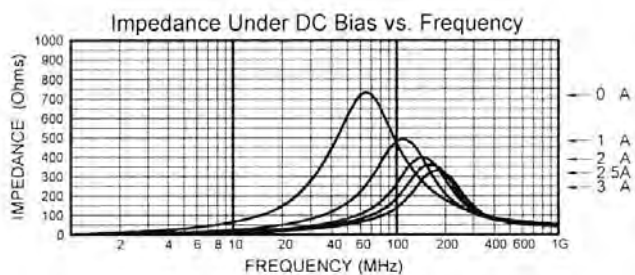
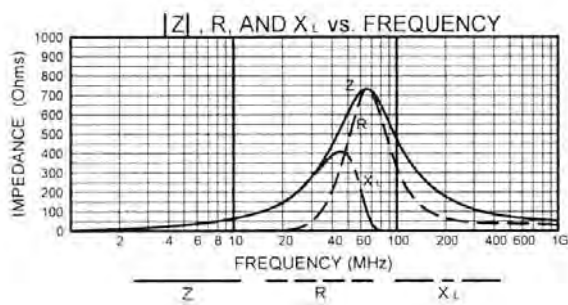


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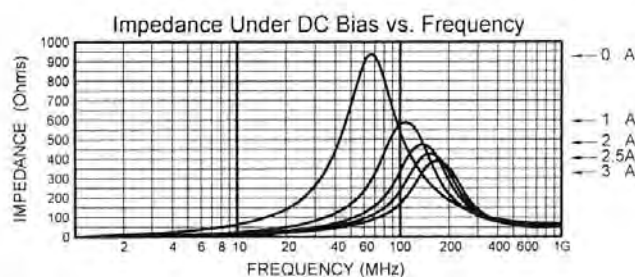
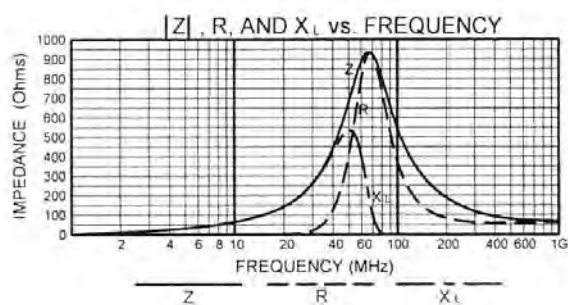
HIGH CURRENT FERRITE CHIP BEAD

MULTILAYER

MLB-453215-0600PQ



MLB-453215-0680PQ



MLB-453215-1300PQ

