

# MULTILAYER TYPE

## HIGH CURRENT FERRITE CHIP BEAD



- Impedance Range: 30 to 1300  $\Omega$ .
- 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

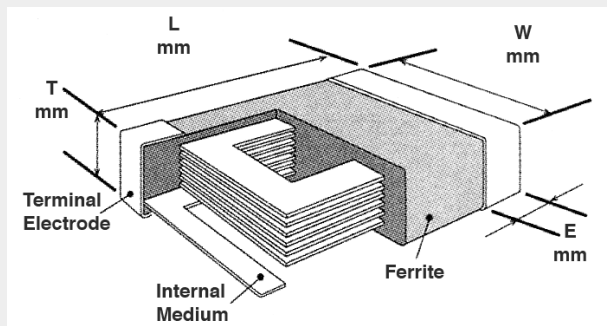
- Combination of high frequency noise suppression with capability of handling high current.
- Current ratings up to 6 Amps with low DCR.

### Application Field

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

### Part Number Code

<b>MLB</b>	<b>160808</b>	<b>-</b>	<b>0060</b>	<b>P</b>	<b>N</b>
Series Name	Size Code		Impedance (ex.0010 =10 $\Omega$ $\pm$ 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	<b>3000</b>				
MLB-160808-0060PQ	60	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-160808-0080PQ	80	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>				
MLB-160808-0120PP	120	100	0.070	2500	1000	1500	2000	<b>2500</b>	-	-	-	-	
MLB-160808-0220PN	220	100	0.090	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-160808-0300PN	300	100	0.090	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-160808-0450PM	450	100	0.150	1500	1000	<b>1500</b>	-	-	-	-	-	-	
MLB-160808-0600PL	600	100	0.200	1000	<b>1000</b>	1500	-	-	-	-	-	-	
MLB-201209-0011PW	11	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-201209-0031PW	31	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-201209-0040PR	40	100	0.030	4000	1000	1500	2000	2500	3000	<b>4000</b>	-	-	
MLB-201209-0060PQ	60	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-201209-0080PU	80	100	0.020	5000	1000	1500	2000	2500	3000	4000	<b>5000</b>	-	
MLB-201209-0090PU	90	100	0.020	5000	1000	1500	2000	2500	3000	4000	<b>5000</b>	-	
MLB-201209-0120PU	120	100	0.020	5000	1000	1500	2000	2500	3000	4000	<b>5000</b>	-	
MLB-201209-0220PQ	220	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-201209-0250PQ	250	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-201209-0300PN	300	100	0.090	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-201209-0330PN	330	100	0.090	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-201209-0600PN	600	100	0.090	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-321611-0050PW	50	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-321611-0060PQ	60	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-321611-0075PQ	75	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-321611-0080PR	80	100	0.030	4000	1000	1500	2000	2500	3000	<b>4000</b>	-	-	
MLB-321611-0090PQ	90	100	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-321611-0120PW	120	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-321611-0150PN	150	100	0.090	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-321611-0500PP	500	100	0.070	2500	1000	1500	2000	<b>2500</b>	-	-	-	-	
MLB-321611-0600PP	600	100	0.070	2500	1000	1500	2000	<b>2500</b>	-	-	-	-	
MLB-321611-1200PL	1200	100	0.200	1000	<b>1000</b>	-	-	-	-	-	-	-	
MLB-322513-0060PM	60	100	0.15	1500	1000	<b>1500</b>	-	-	-	-	-	-	
MLB-322513-1000PN	1000	100	0.09	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-451616-0060PW	60	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-451616-0080PW	80	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-451616-0470PN	470	100	0.09	2000	1000	1500	<b>2000</b>	-	-	-	-	-	
MLB-451616-0850PM	850	100	0.15	1500	1000	<b>1500</b>	-	-	-	-	-	-	
MLB-453215-0080PW	80	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-453215-0120PW	120	100	0.020	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-453215-0150PW	150	100	0.015	6000	1000	1500	2000	2500	3000	4000	5000	<b>6000</b>	
MLB-453215-0600PQ	600	50	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-453215-0680PQ	680	50	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	
MLB-453215-1300PQ	1300	60	0.040	3000	1000	1500	2000	2500	<b>3000</b>	-	-	-	

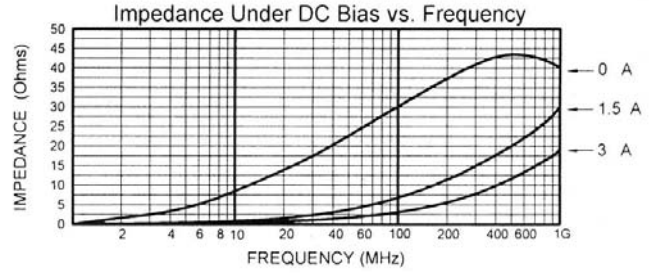
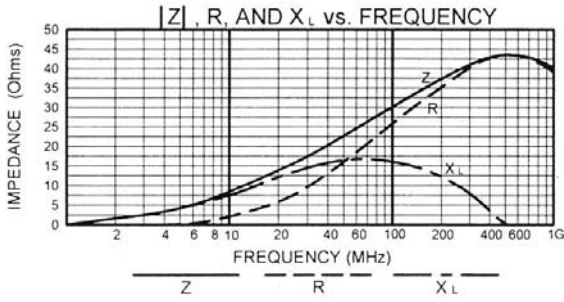
**3000** Standard rated current  
2500 available option

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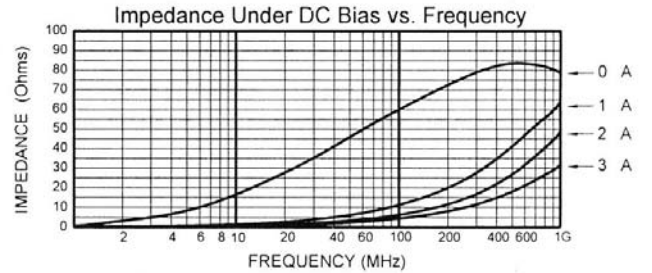
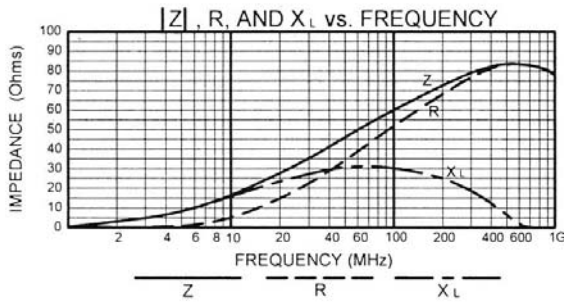
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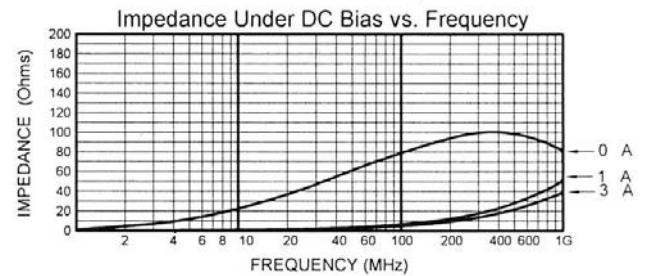
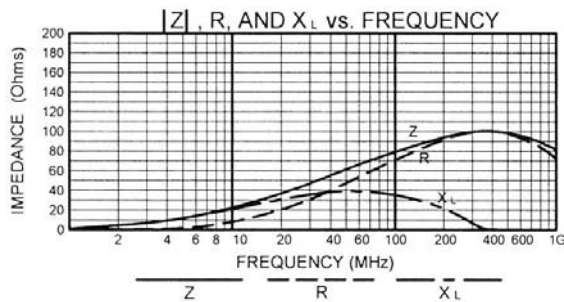
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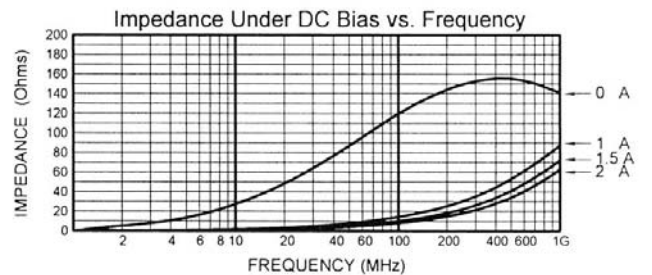
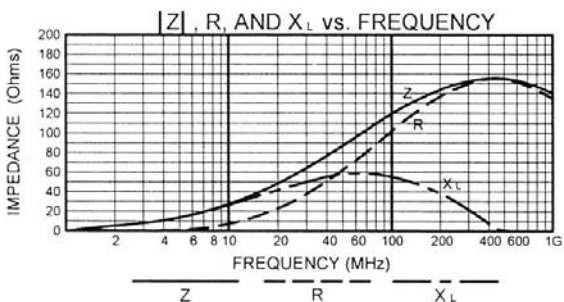
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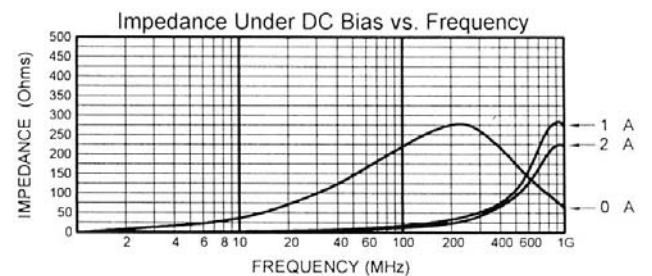
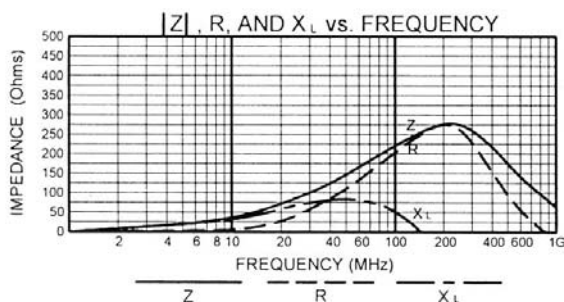
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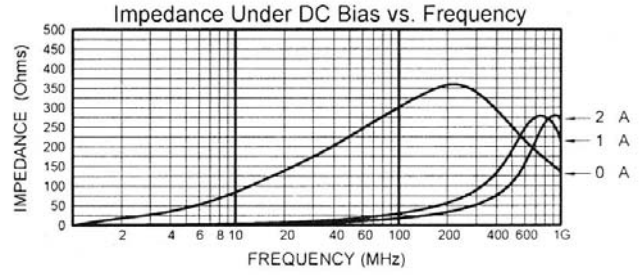
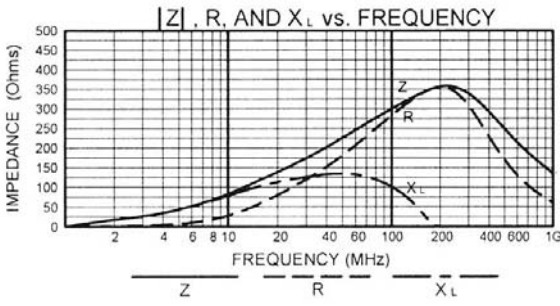
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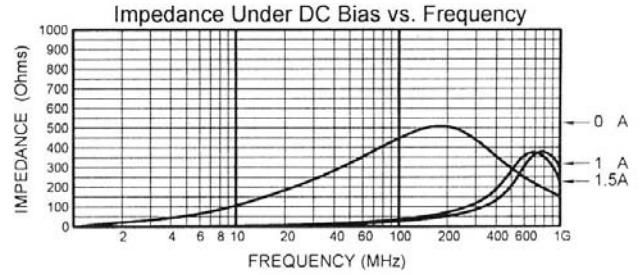
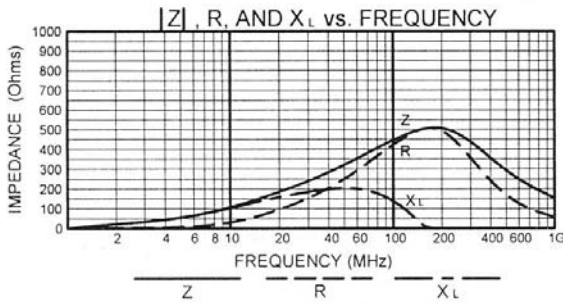
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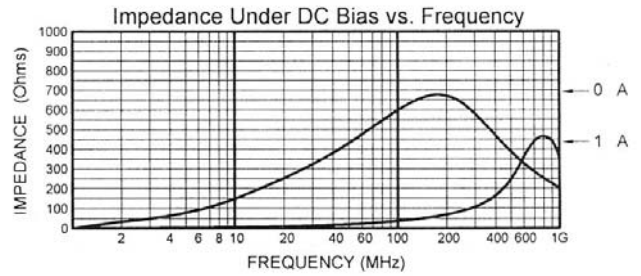
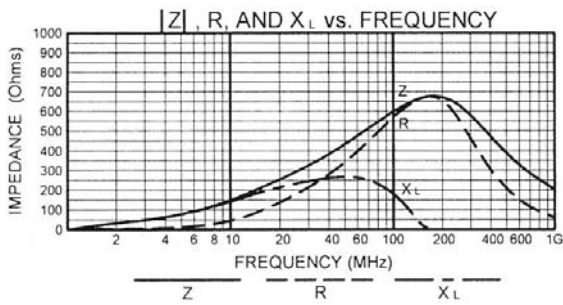
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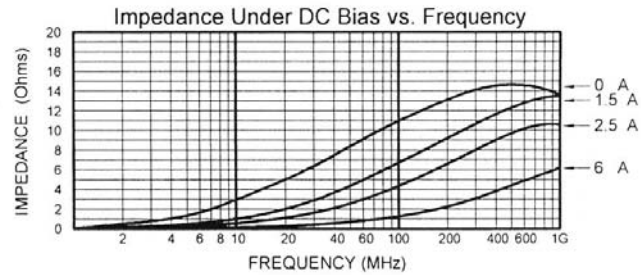
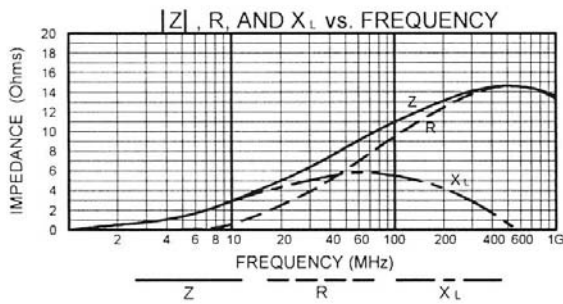
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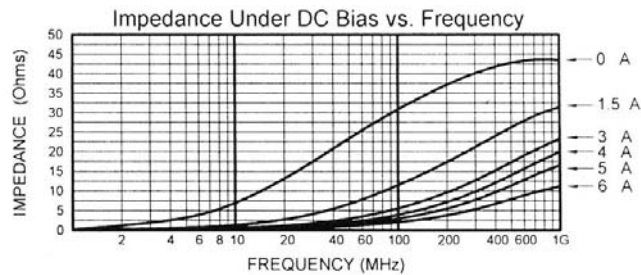
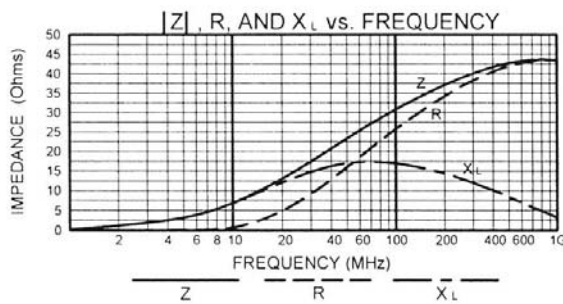
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**MLB-201209-0011PW**



**MLB-201209-0031PW**

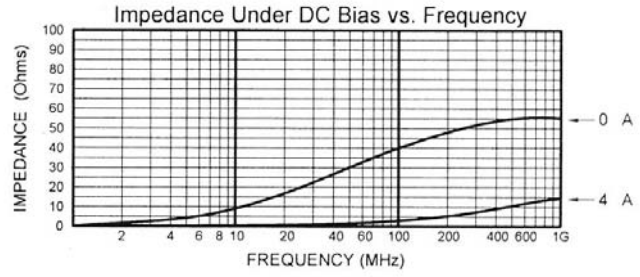
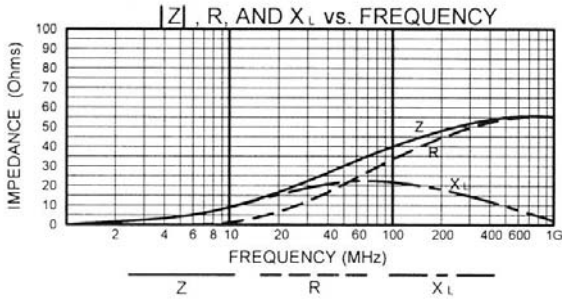


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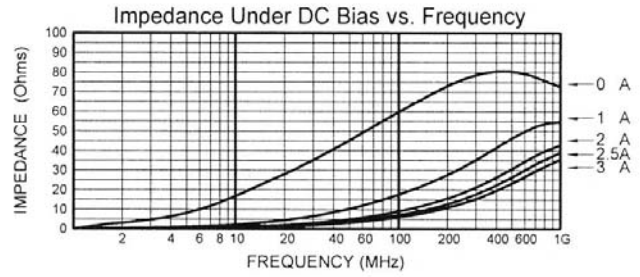
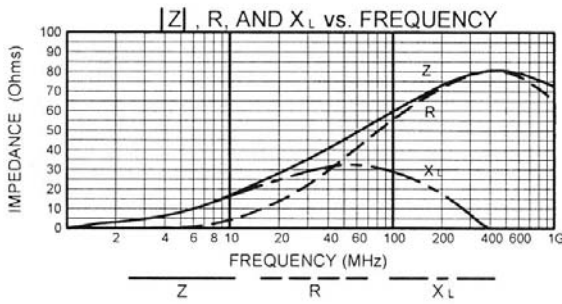
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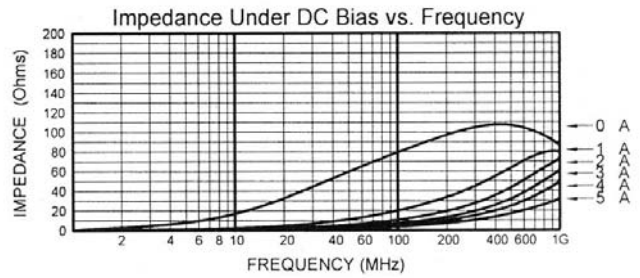
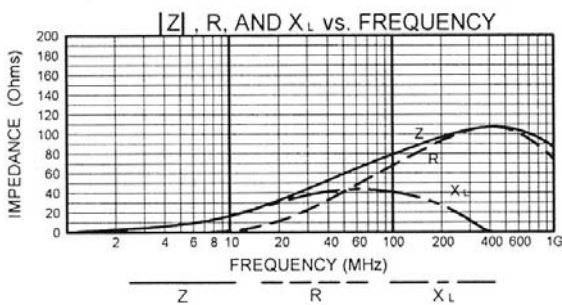
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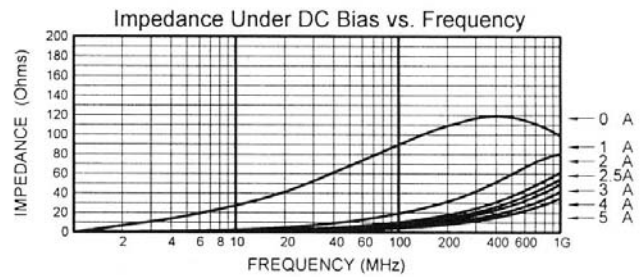
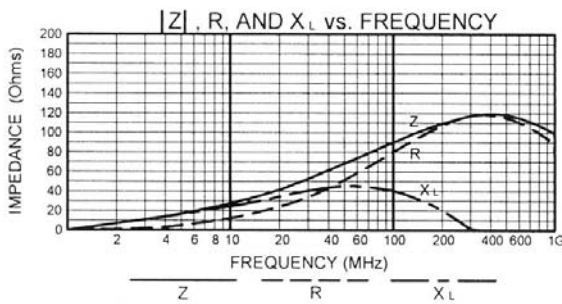
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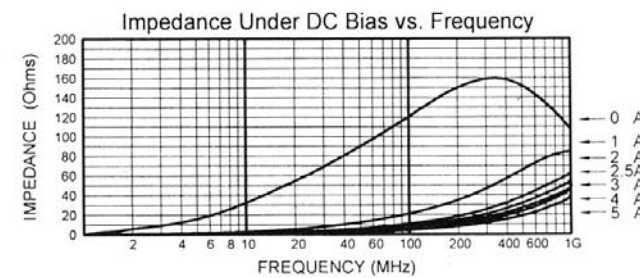
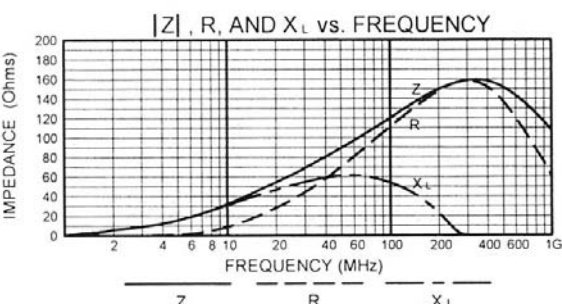
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**MLB-201209-0090PU**



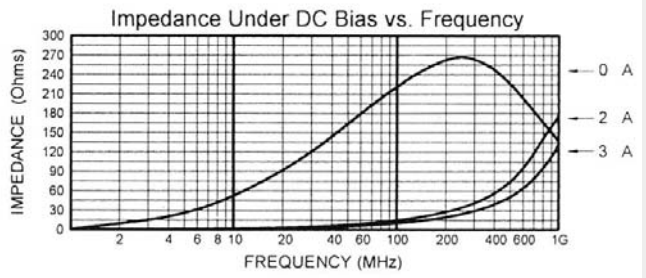
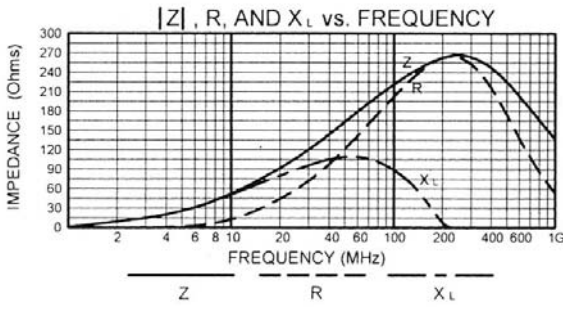
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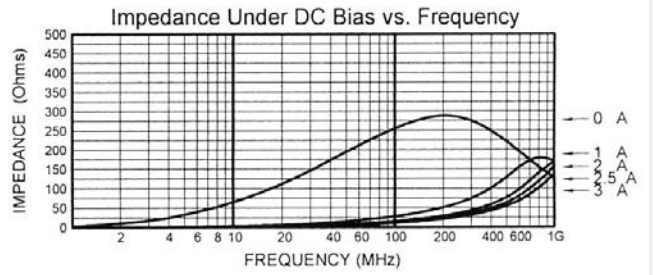
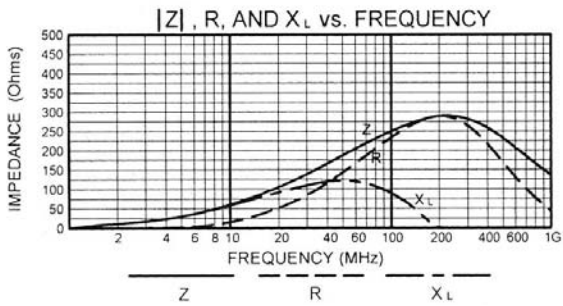
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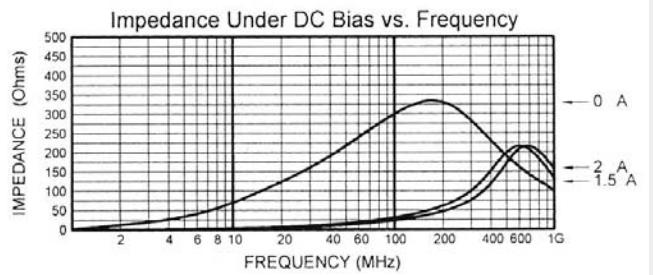
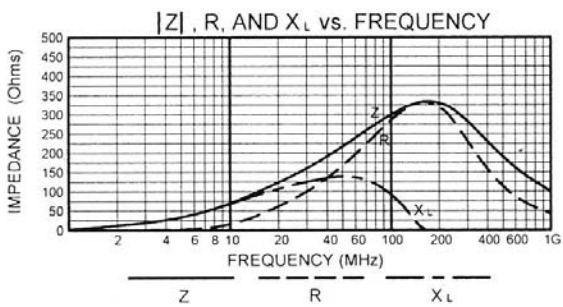
**MLB-201209-0220PQ**



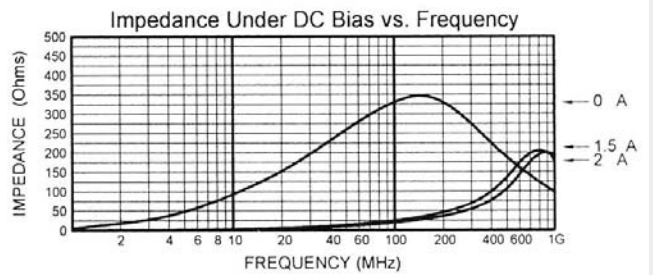
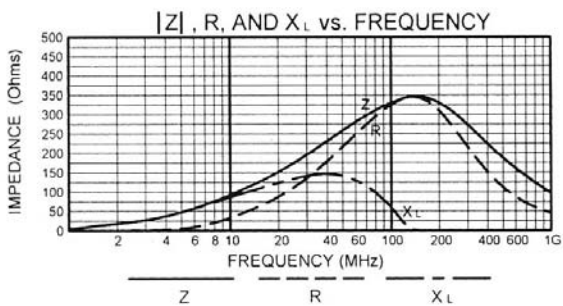
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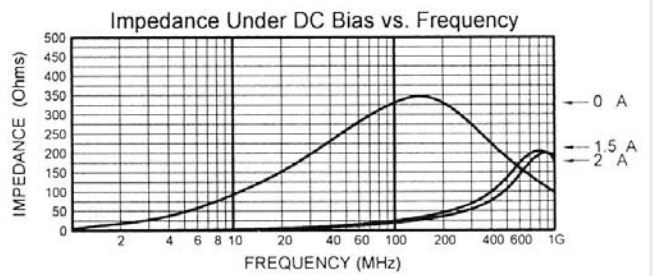
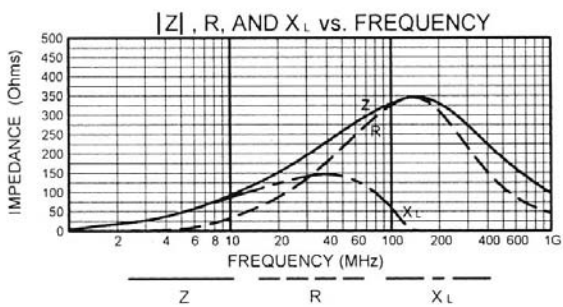
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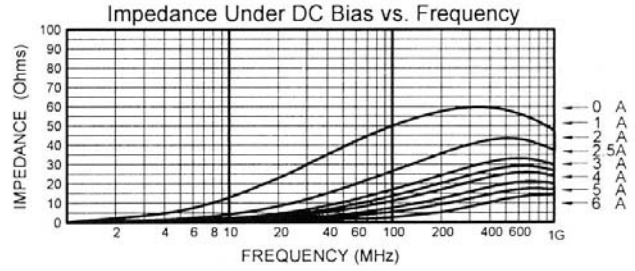
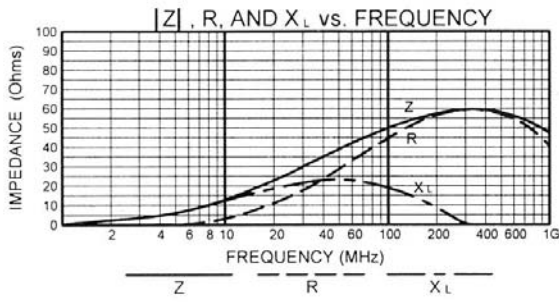


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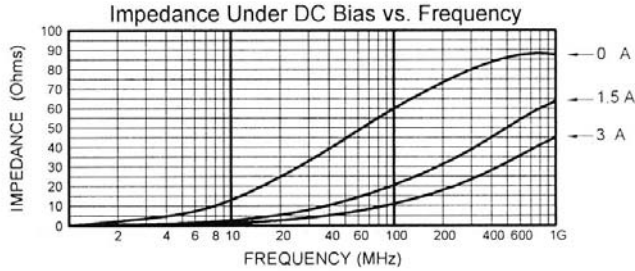
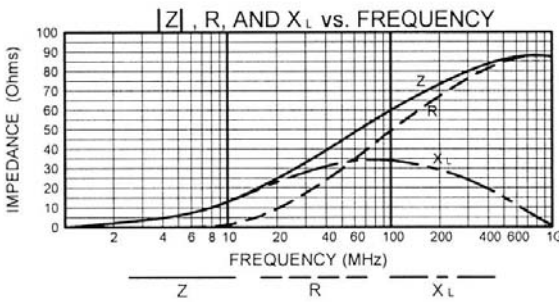
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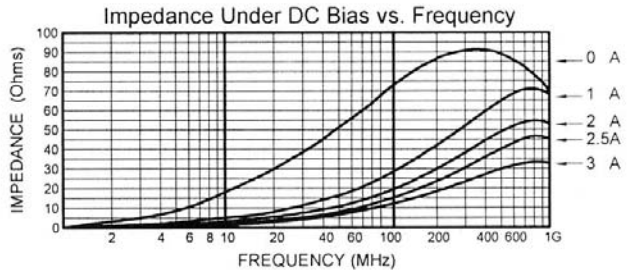
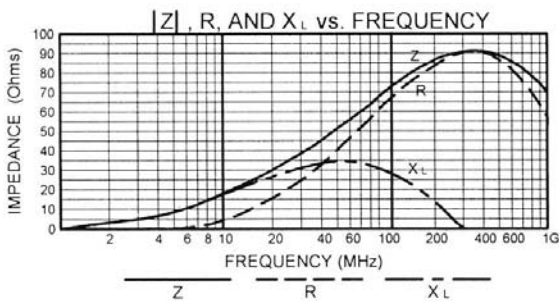
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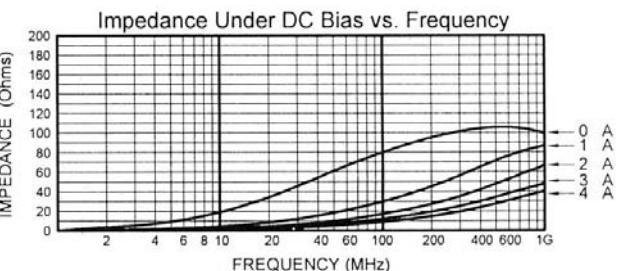
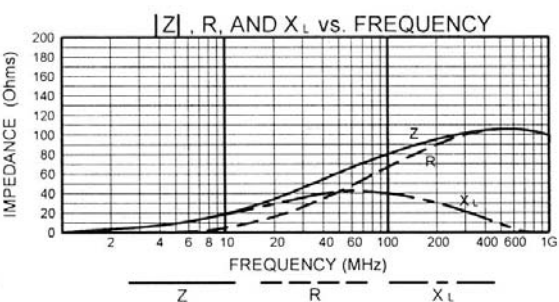
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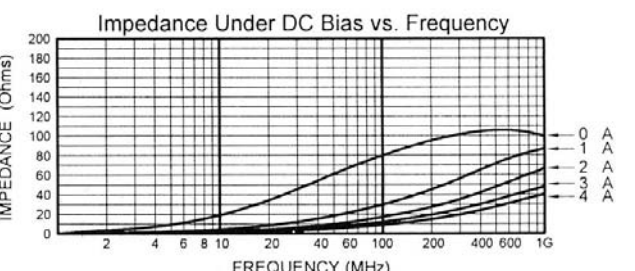
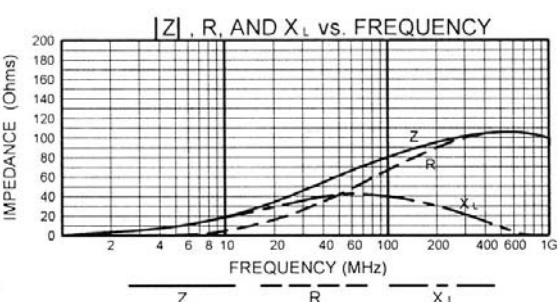
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**MLB-321611-0080PR**



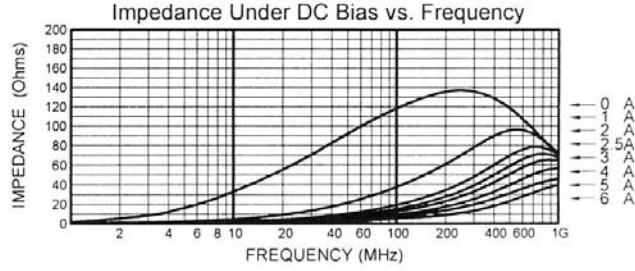
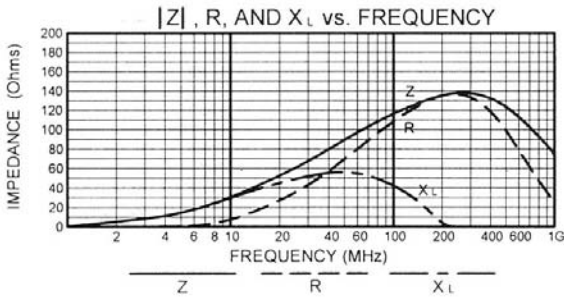
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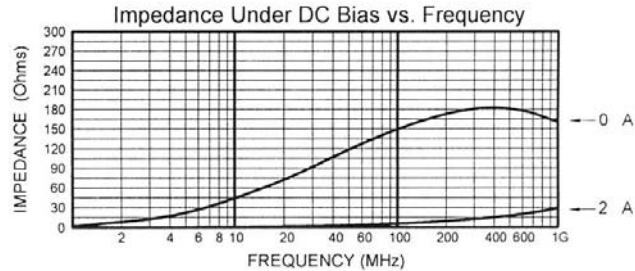
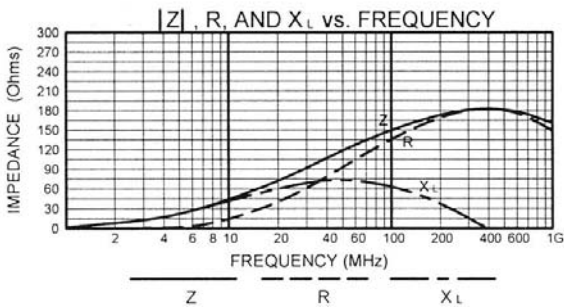
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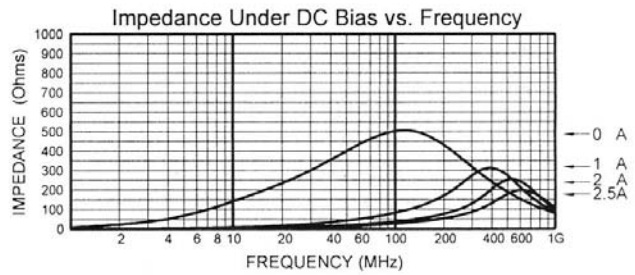
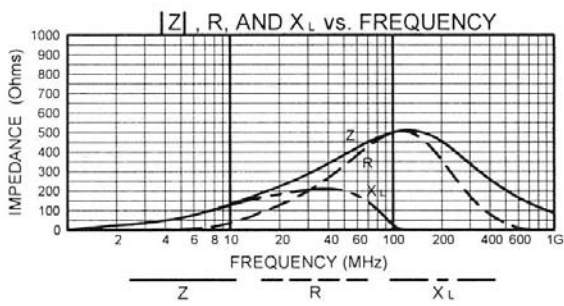
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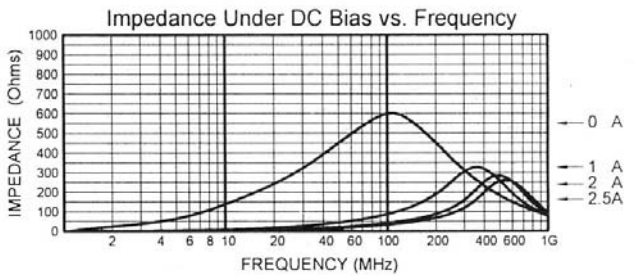
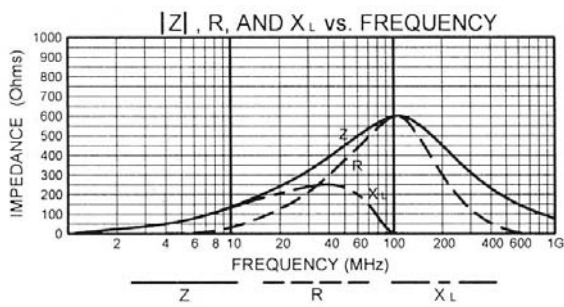
**MLB-321611-0150PN**



**MLB-321611-0500PP**



**MLB-321611-0600PP**



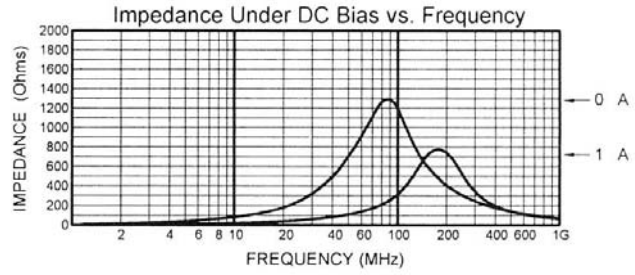
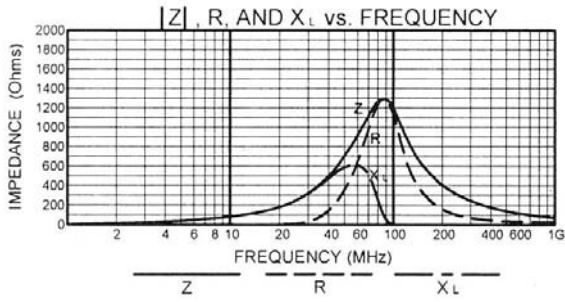


# MULTILAYER TYPE

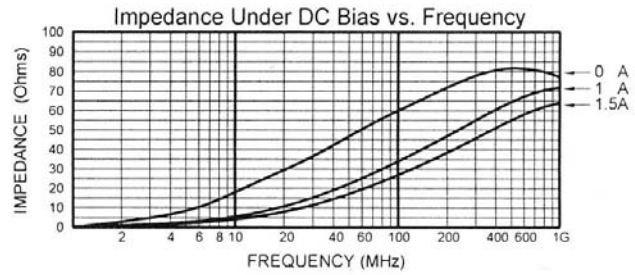
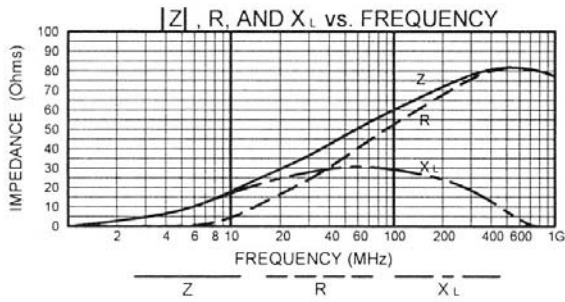
## HIGH CURRENT FERRITE CHIP BEAD

MULTILAYER

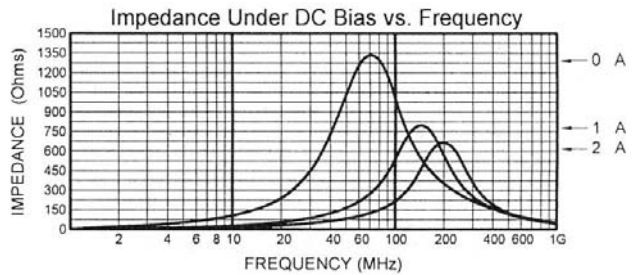
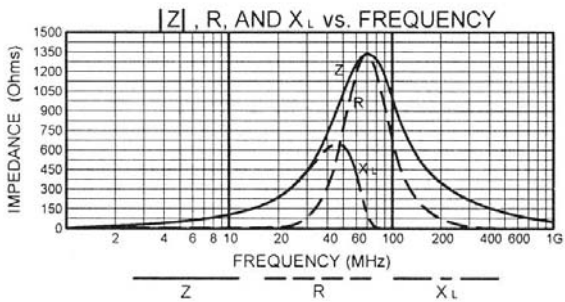
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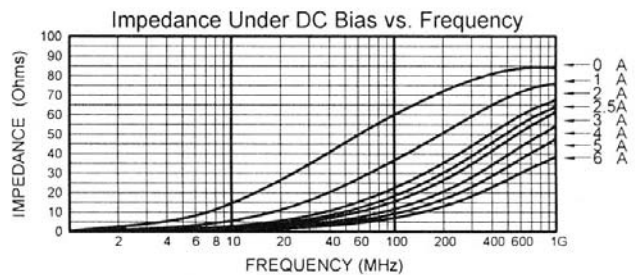
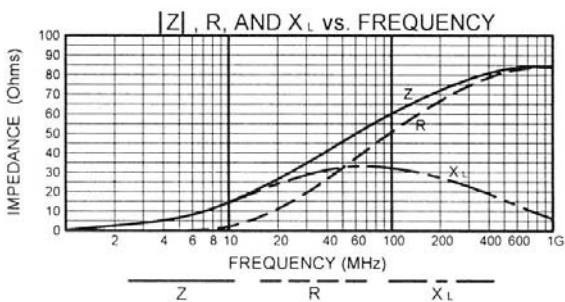
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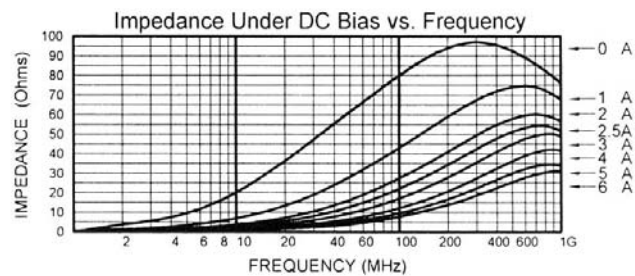
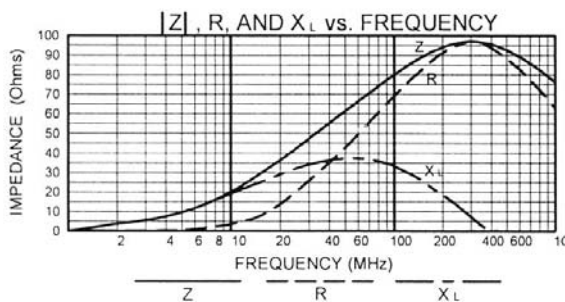
**MLB-322513-1000PN**



**MLB-451616-0060PW**



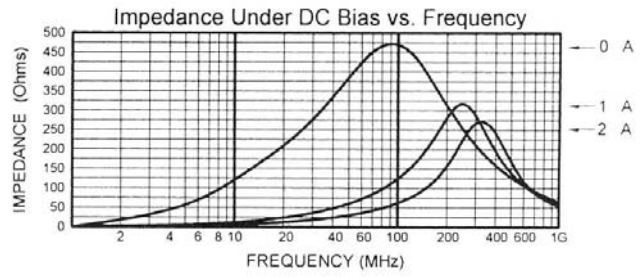
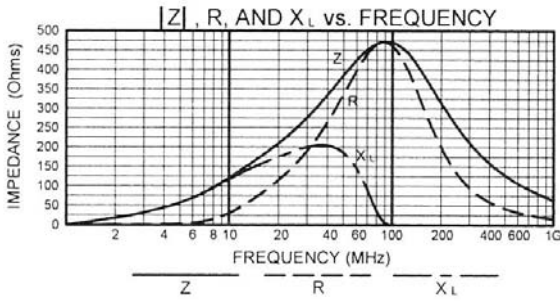
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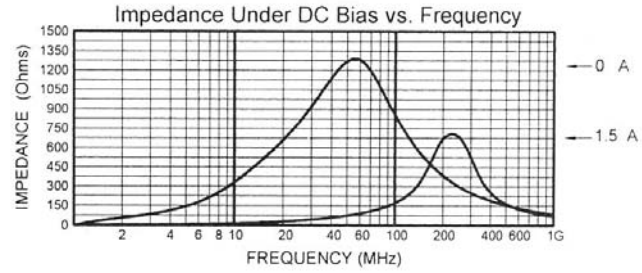
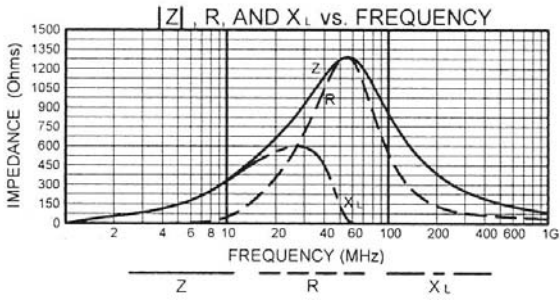
# MULTILAYER TYPE

## HIGH CURRENT FERRITE CHIP BEAD

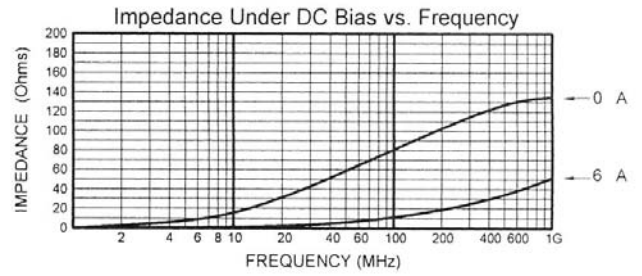
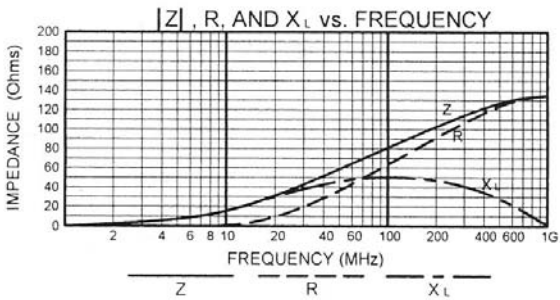
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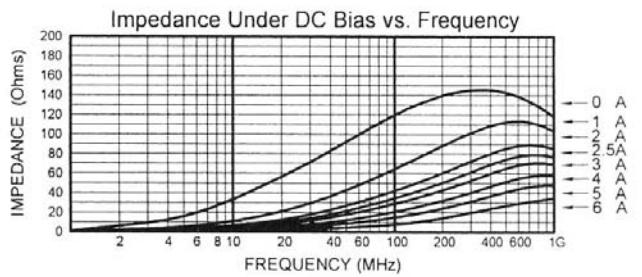
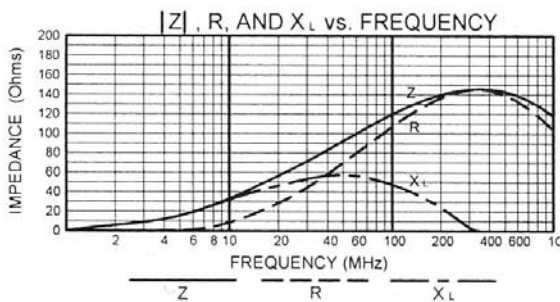
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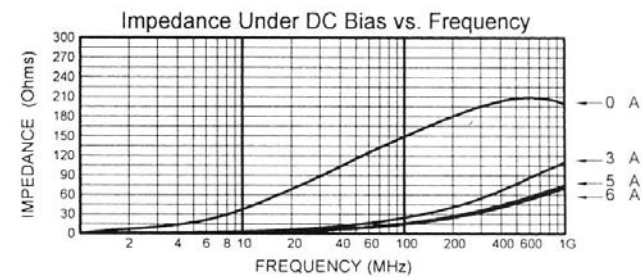
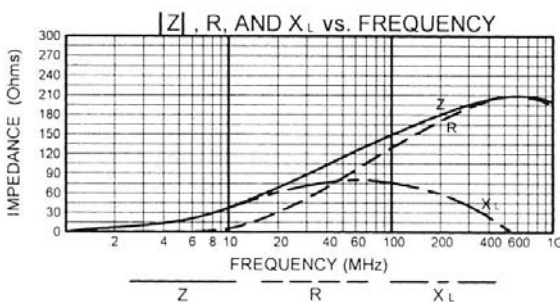
**MLB-453215-0080PW**



**MLB-453215-0120PW**



**MLB-453215-0150PW**

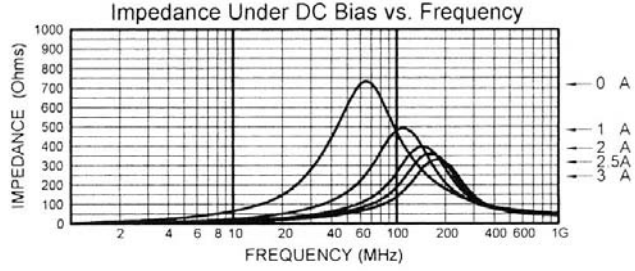
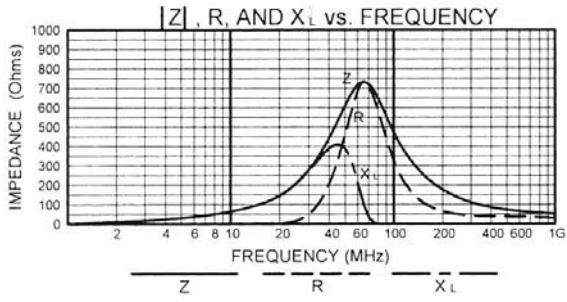


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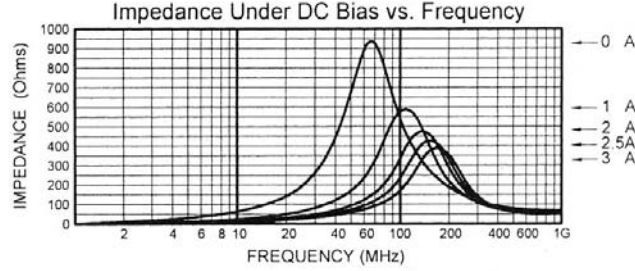
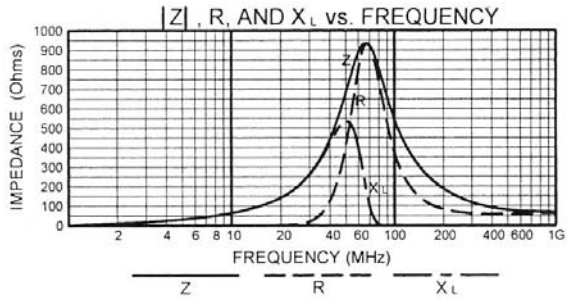
## HIGH CURRENT FERRITE CHIP BEAD

MULTILAYER

**MLB-453215-0600PQ**



**MLB-453215-0680PQ**



**MLB-453215-1300PQ**

