

## Series: P

### FEATURES:

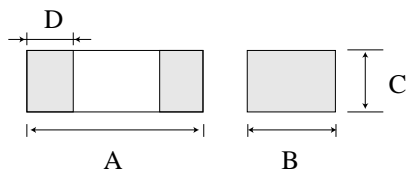
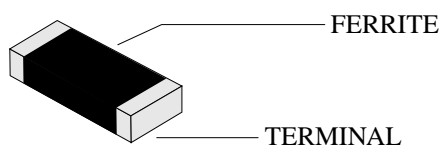
The MLB-P series has a large current capacity for power line due to its low DC resistance.

It can match power lines to a maximum of 6A DC.

The total of five compact sizes are available from 1.6x0.8x0.8 mm up to 4.5x3.2x1.5 mm according to impedance requirement (from 10Ω to 125Ω at 100MHz).

The MLB-P-S series generates an impedance down to relative low frequency and covers a wide range of noise suppression.

### DIMENSION:



Dimensions in mm (inch)

PART NO.	A	B	C	D
MLB-160808	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.20 (0.012±0.008)
MLB-201209	2.0±0.20 (0.079±0.008)	1.2±0.20 (0.047±0.008)	0.9±0.20 (0.035±0.008)	0.5±0.30 (0.020±0.012)
MLB-321611	3.2±0.20 (0.126±0.008)	1.6±0.20 (0.063±0.008)	1.1±0.20 (0.043±0.008)	0.5±0.30 (0.020±0.012)
MLB-451616	4.5±0.20 (0.177±0.008)	1.6±0.20 (0.063±0.008)	1.6±0.20 (0.063±0.008)	0.5±0.30 (0.020±0.012)
MLB-453215	4.5±0.20 (0.177±0.008)	3.2±0.20 (0.126±0.008)	1.5±0.20 (0.059±0.008)	0.5±0.30 (0.020±0.012)

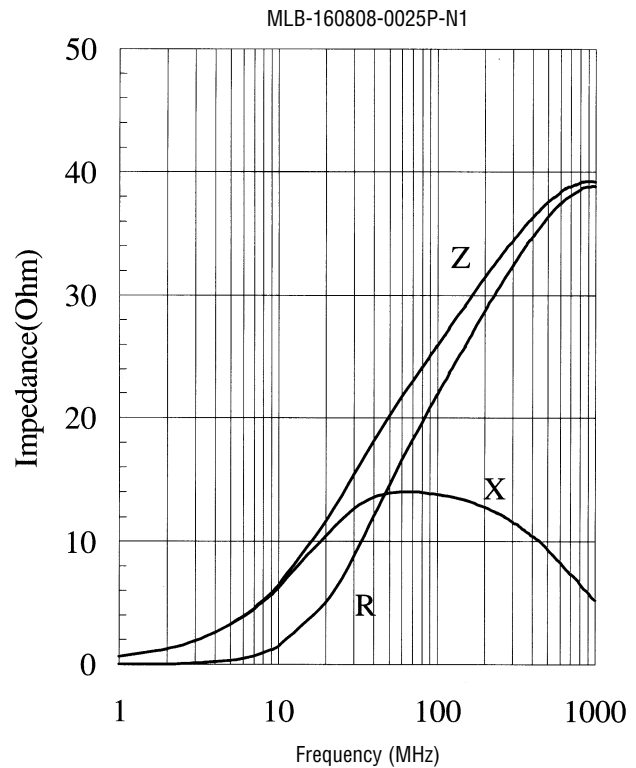
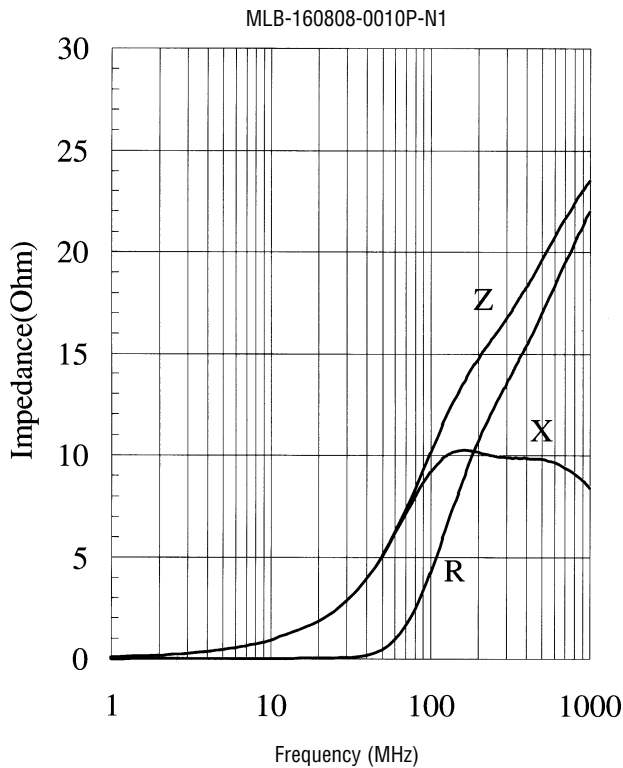
**MLB-P-N SERIES**

**ELECTRICAL CHARACTERISTICS**

Part Number	Impedance ( $\Omega$ ) at 100 MHz	DC Resistance ( $\Omega$ ) Max.	Rated Current (mA) Max.	Operating Temp. Range ( $^{\circ}\text{C}$ )
MLB-160808-0010P-N1	10 $\pm$ 25%	0.03	4000	-25 to +85
MLB-160808-0025P-N1	25 $\pm$ 25%	0.04	3000	-25 to +85
MLB-201209-0010P-N1	10 $\pm$ 25%	0.01	6000	-25 to +85
MLB-201209-0020P-N1	20 $\pm$ 25%	0.03	4000	-25 to +85
MLB-201209-0020P-N2	20 $\pm$ 25%	0.03	4000	-25 to +85
MLB-201209-0030P-N1	30 $\pm$ 25%	0.03	4000	-25 to +85
MLB-201209-0040P-N1	40 $\pm$ 25%	0.03	4000	-25 to +85
MLB-201209-0080P-N2	80 $\pm$ 25%	0.04	3000	-25 to +85
MLB-201209-0120P-N2	120 $\pm$ 25%	0.04	3000	-25 to +85
MLB-201209-0220P-N2	220 $\pm$ 25%	0.04	3000	-25 to +85
MLB-321611-0030P-N1	30 $\pm$ 25%	0.03	4000	-25 to +85
MLB-321611-0050P-N1	50 $\pm$ 25%	0.03	4000	-25 to +85
MLB-321611-0080P-N1	80 $\pm$ 25%	0.03	4000	-25 to +85
MLB-321611-0120P-N1	120 $\pm$ 25%	0.04	3000	-25 to +85
MLB-451616-0050P-N1	50 $\pm$ 25%	0.03	4000	-25 to +85
MLB-451616-0060P-N1	60 $\pm$ 25%	0.03	4000	-25 to +85
MLB-451616-0075P-N1	75 $\pm$ 25%	0.03	4000	-25 to +85
MLB-451616-0080P-N1	80 $\pm$ 25%	0.03	4000	-25 to +85
MLB-453215-0120P-N2	120 $\pm$ 25%	0.04	3000	-25 to +85
MLB-453215-0680P-N2	120 $\pm$ 25%	0.028	4000	-25 to +85

**TYPICAL ELECTRICAL CHARACTERISTIC CURVES**

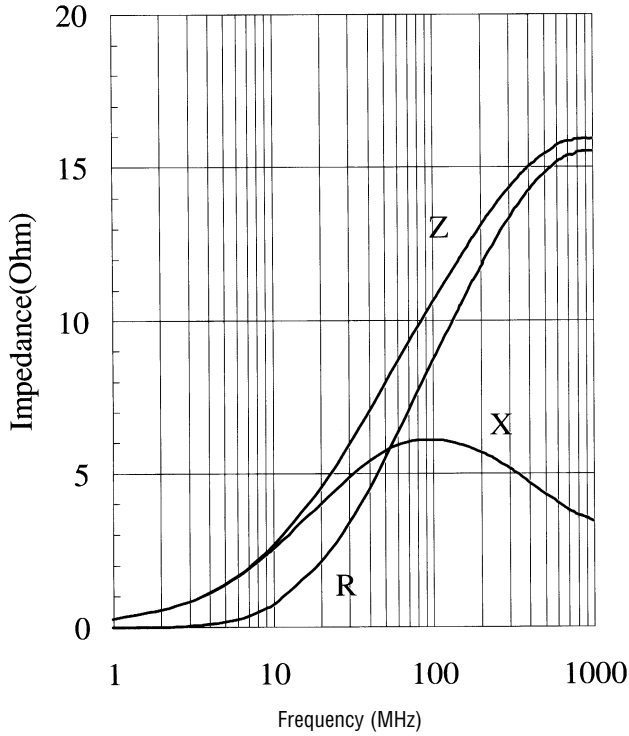
TEST INSTRUMENT: HP-4291A



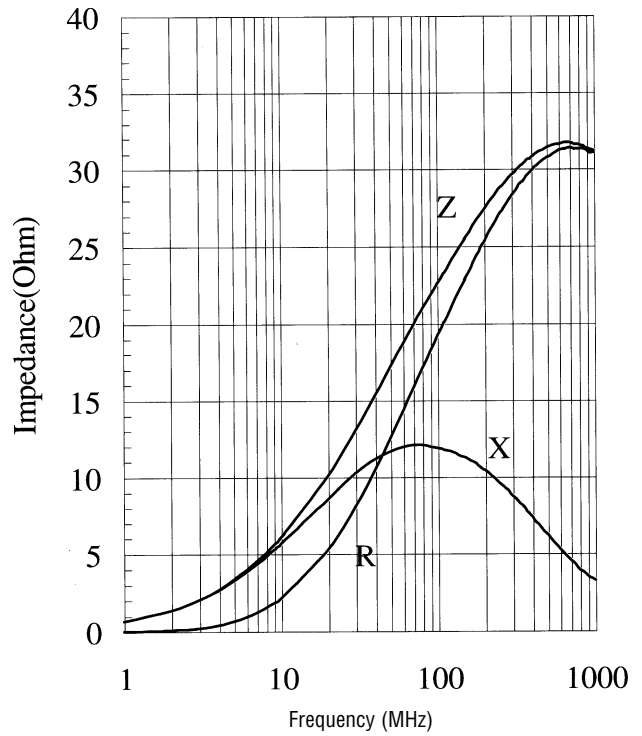
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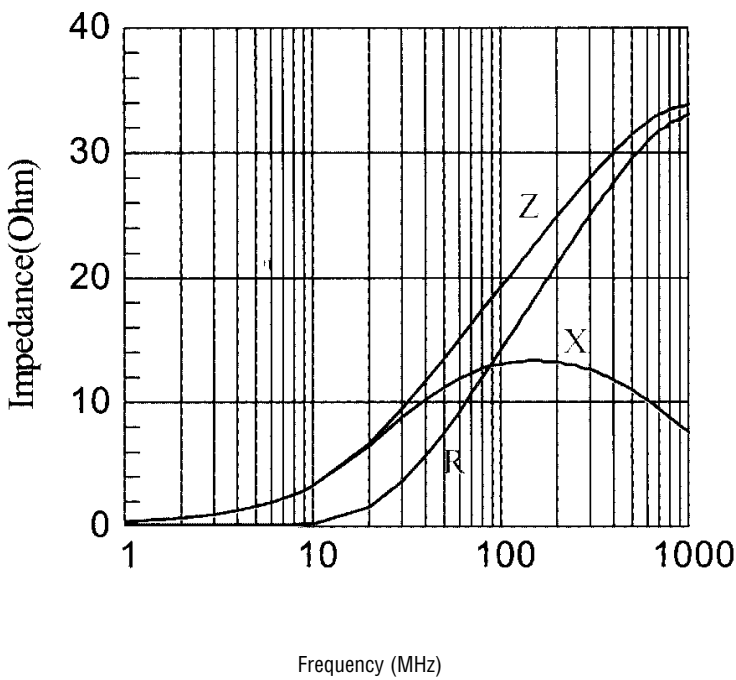
MLB-201209-0010P-N1



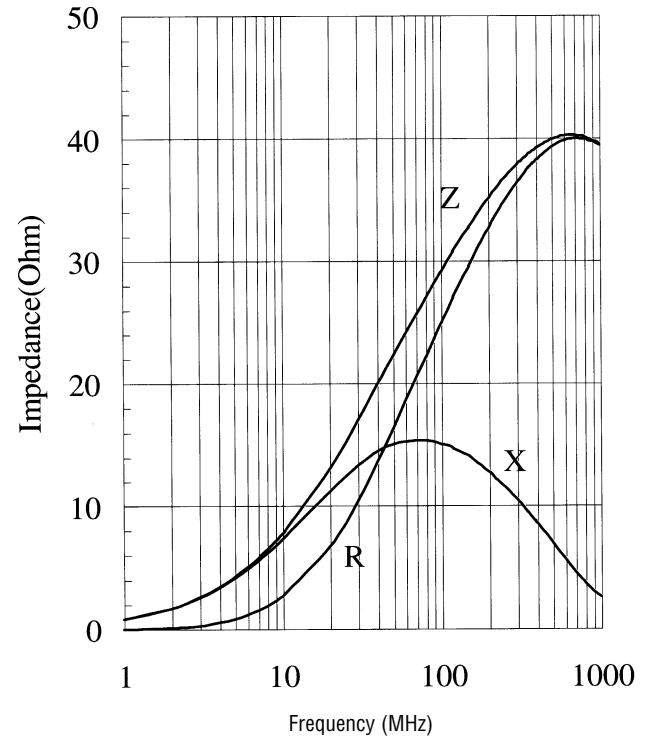
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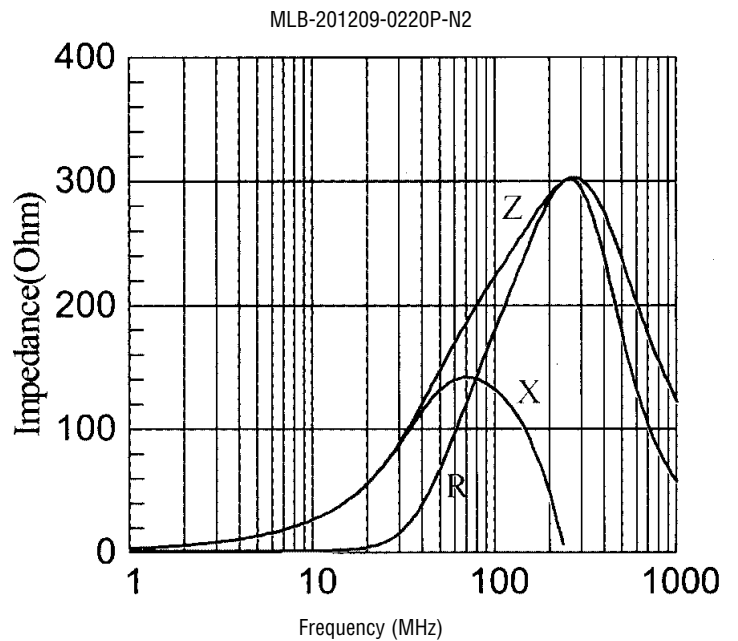
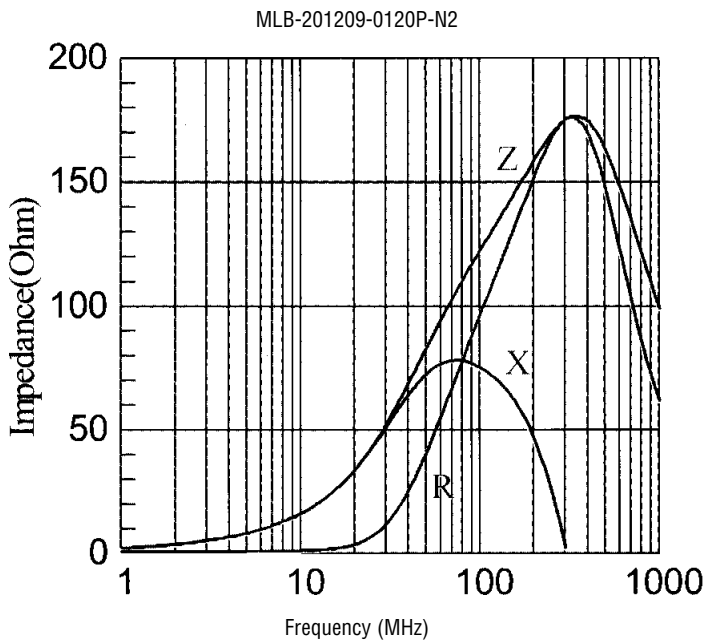
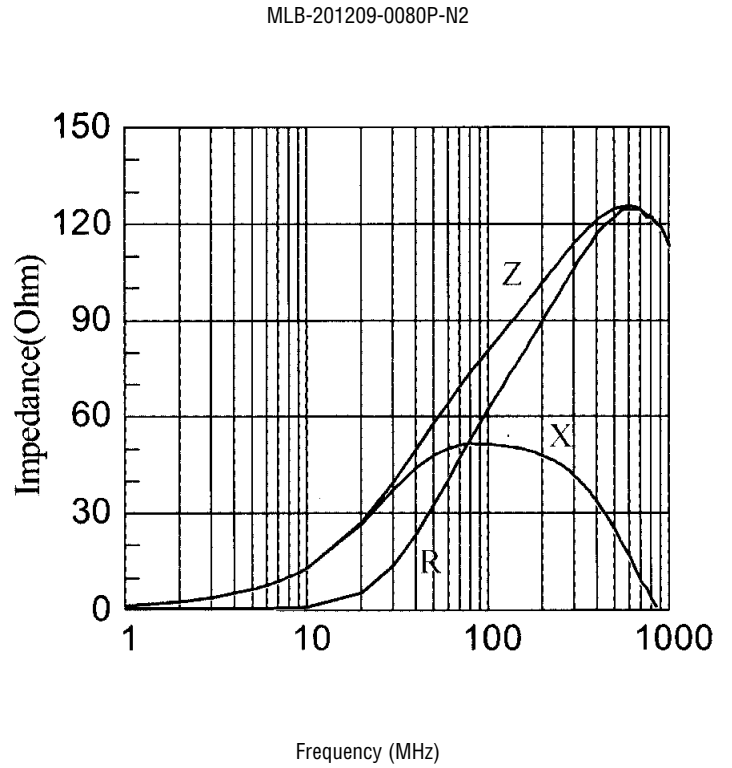
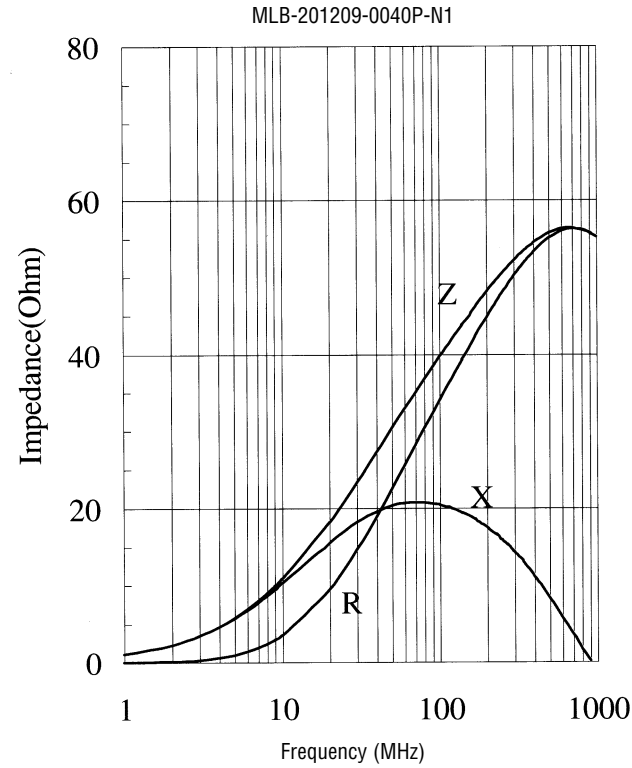


MLB-201209-0030P-N1



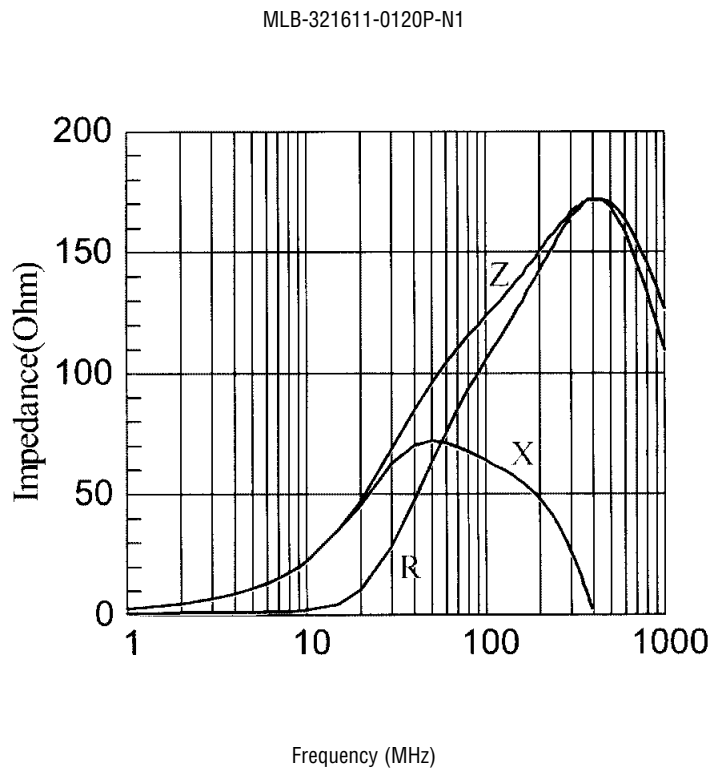
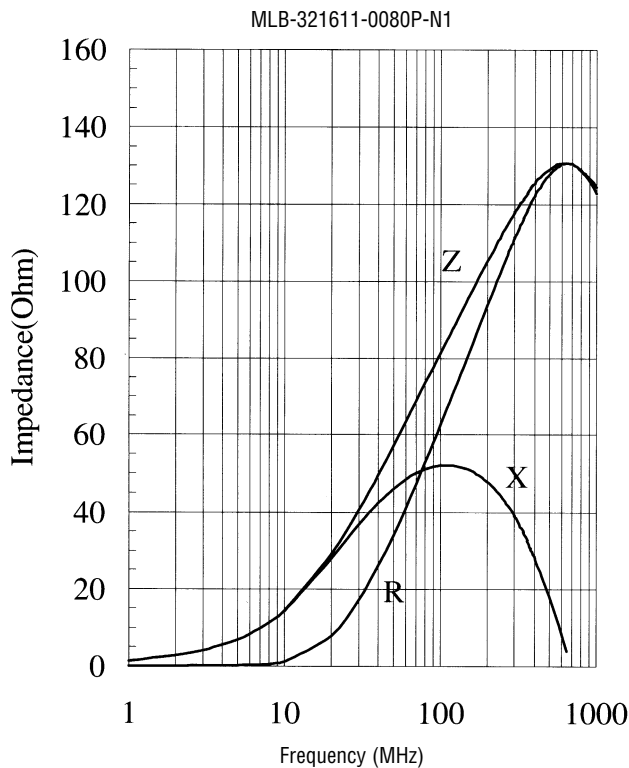
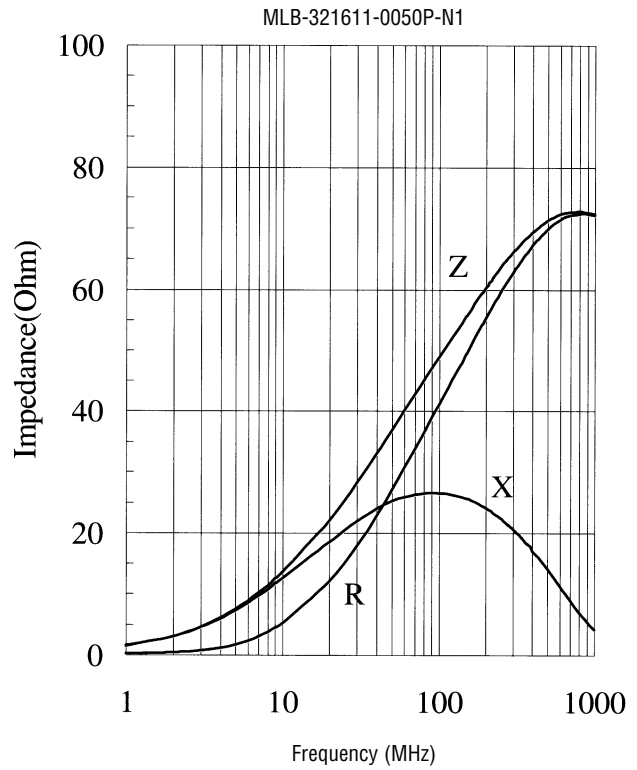
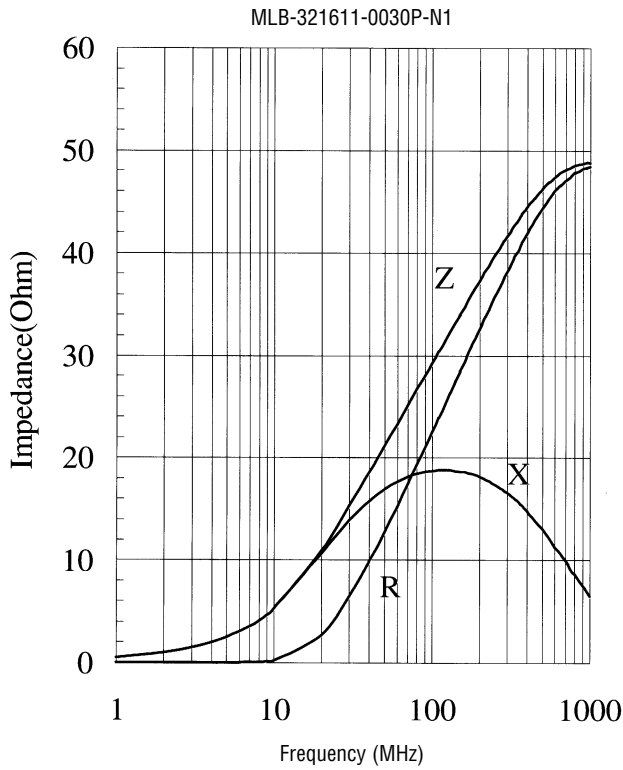
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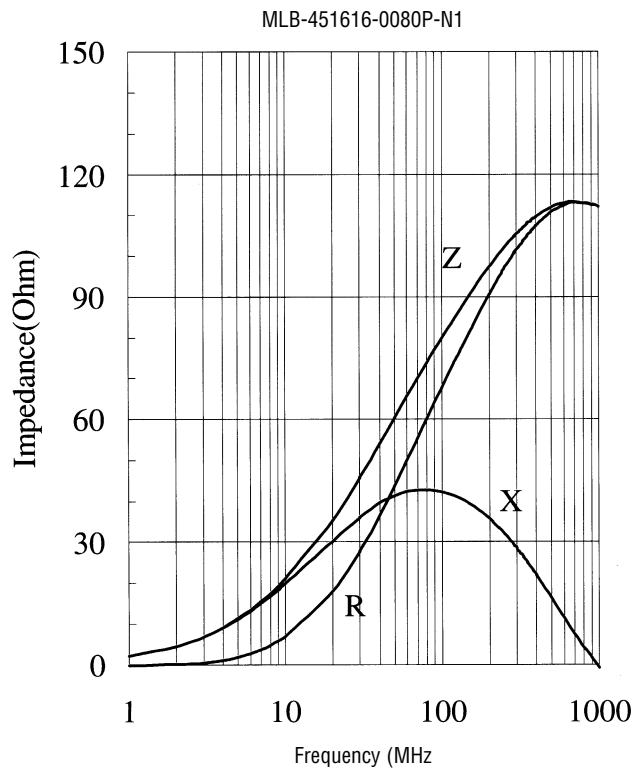
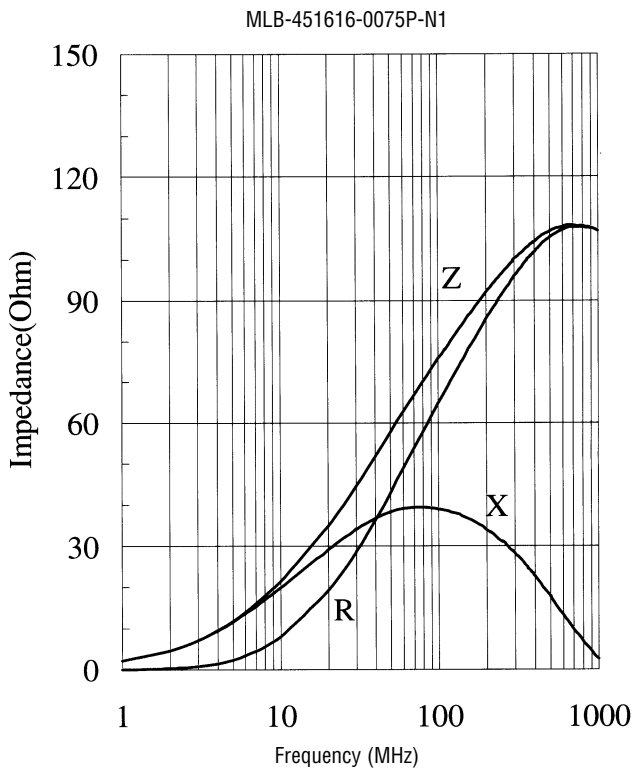
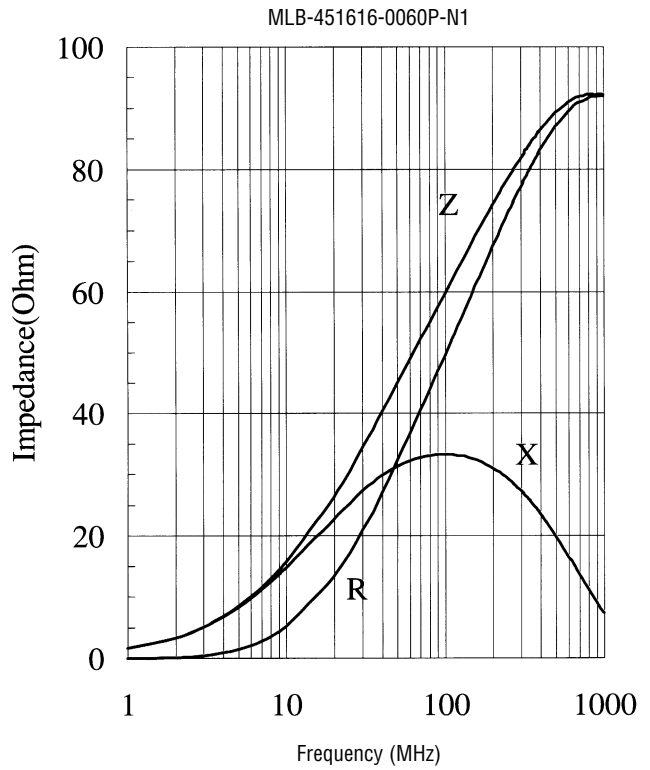
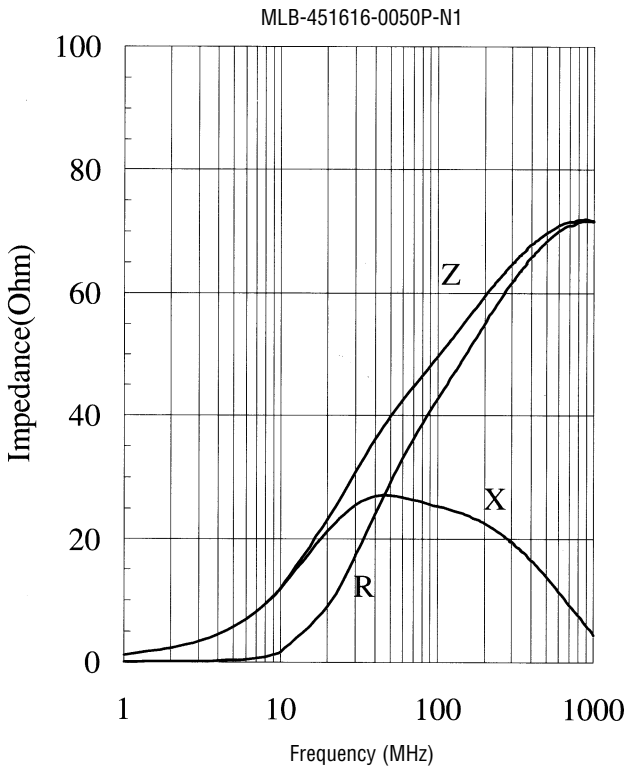
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