

MULTILAYER CHIP SUPPRESSORS (CHIP BEADS)

FBU series for DC power line

Rated Current: 4-6 A



FEATURES

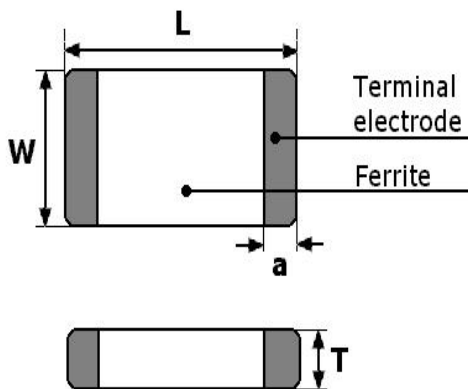
The FBU series can be used on high current circuits due to its low DC resistance. It can match power lines to a maximum of 6A DC.

APPLICATION

High current DC power line EMI suppression. Examples:

1. CD-ROMs
2. Hard Drives
3. Modems
4. Monitors
5. Motherboards
6. Printers

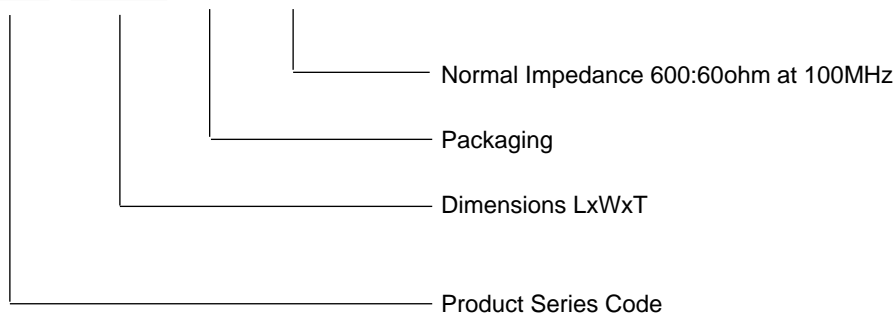
SHAPES AND DIMENSIONS



SHAPE	L m/m	W m/m	T m/m	a m/m
160808(0603)	1.6±0.2	.8±0.2	.8±0.15	0.1~0.3
201209(0805)	2.0±0.2	1.25±0.2	0.9+0.15/-0.2	0.2~0.8
321611(1206)	3.2±0.2	1.6±0.2	1.1±0.2	0.4~1.0
322513(1210)	3.2±0.2	2.5±0.2	1.3±0.2	0.6~1.0
451616(1806)	4.5±0.2	1.6±0.2	1.6±0.2	0.6~1.0
453215(1812)	4.5±0.2	3.2±0.2	1.5±0.2	0.6~1.0
565018(2220)	5.59±0.51	5.08±0.25	1.8±0.25	0.51~1.01

CALCHIP PART NUMBERING SYSTEM

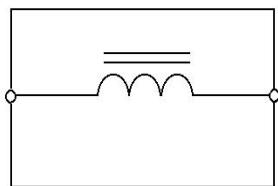
FBU 201209 T 600Y-S



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EQUIVALENT CIRCUIT DIAGRAM



•No directionality



Electrical characteristics

Part Number	Impedance (Ω) \pm 25% [100MHz]	DC Resistance Ω (MAX)	Rated Current mA (MAX)
1608			
FBU160808T-260Y-S	26	0.007	6000
2012			
FBU201209T-070Y-S	7	0.008	6000
FBU201209T-110Y-S	11	0.008	6000
FBU201209T-170Y-S	17	0.008	6000
FBU201209T-300Y-S	30	0.008	6000
FBU201209T-390Y-S	39	0.008	6000
FBU201209T-600Y-S	60	0.020	6000
FBU201209T-800Y-S	80	0.020	6000
FBU201209T-121Y-S	120	0.020	6000
3216			
FBU321611T-310Y-S	31	0.006	6000
FBU321611T-520Y-S	52	0.008	6000
FBU321611T-800Y-S	80	0.020	4000
FBU321611T-121Y-S	120	0.020	4000
3225			
FBU322513T-520Y-S	52	0.008	6000
FBU322513T-600Y-S	60	0.008	6000
4516			
FBU451616T-600Y-S	60	0.008	6000
FBU451616T-720Y-S	72	0.01	6000
FBU451616T-750Y-S	75	0.008	6000
4532			
FBU453215T-600Y-S	60	0.008	6000
FBU453215T-121Y-S	120	0.020	4000
FBU453215T-151Y-S	150	0.020	4000
FBU453223T-101Y-S	101	0.007	8000
5650			
FBU565015T-171Y-S	170	0.03	4000
FBU565018T-101Y-S	100	0.006	6000
FBU565018T-151Y-S	150	0.015	5000
FBU565018T-181Y-S	180	0.02	5000
FBU565018T-251Y-S	250	0.015	4000

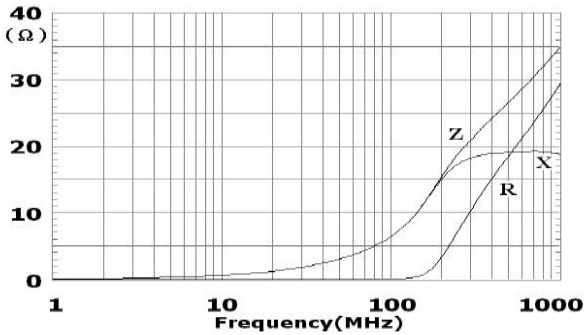
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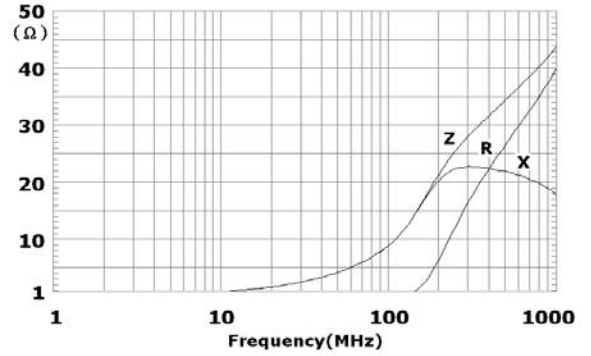
TYPICAL ELECTRICAL CHARACTERISTICS

Z R X vs. FREQUENCY CHARACTERISTICS Z,R,X vs.

FBU201209T-070Y-S

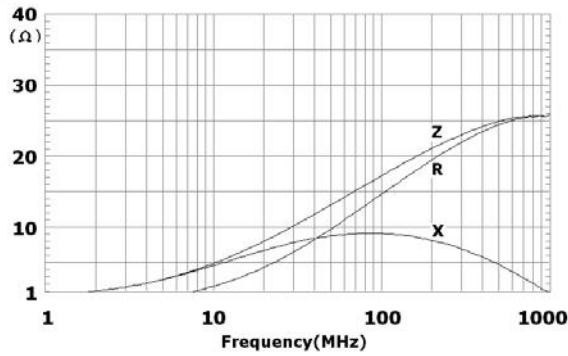


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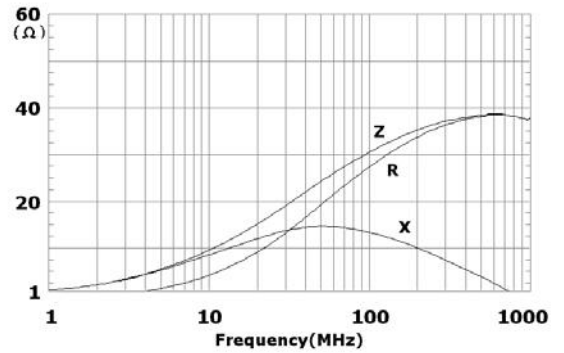


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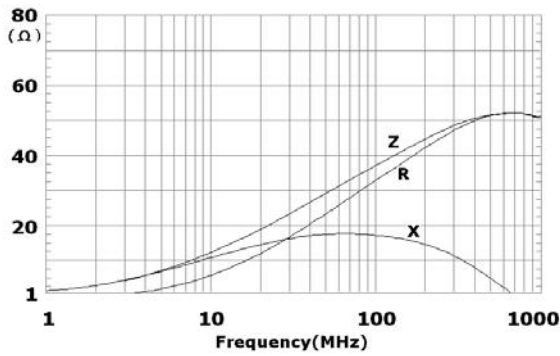
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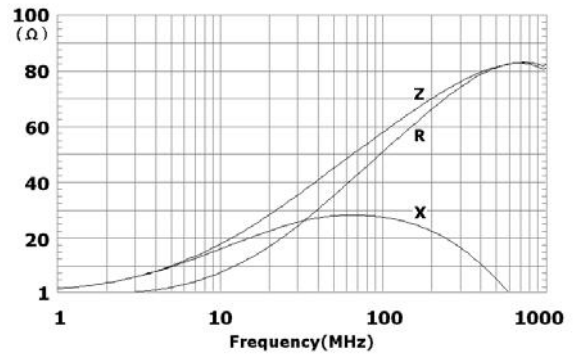
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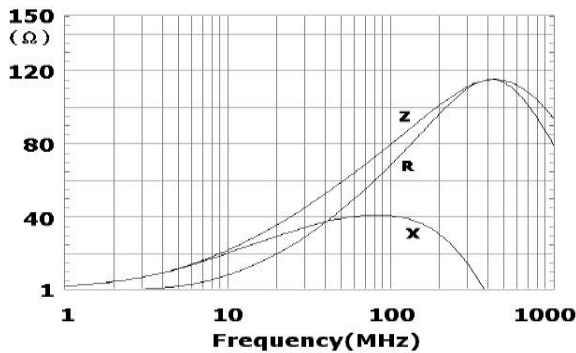
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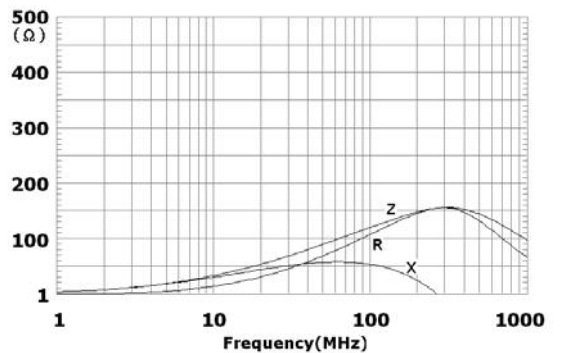
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FBU201209T-800Y-S



FBU201209T-121Y-S



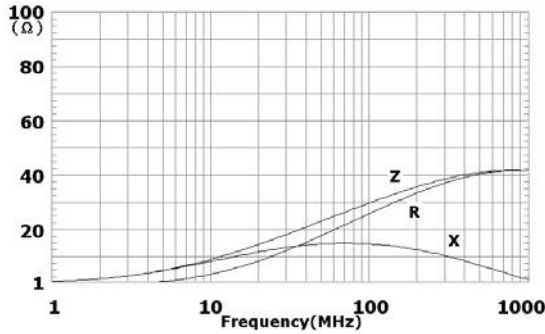
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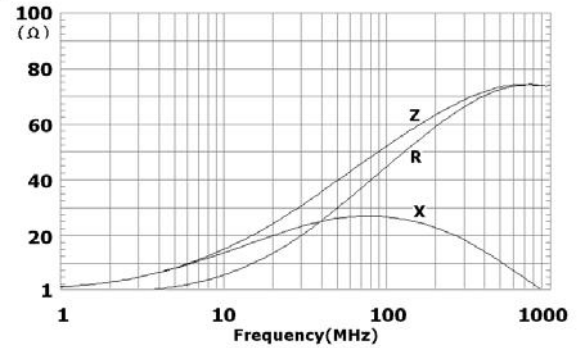
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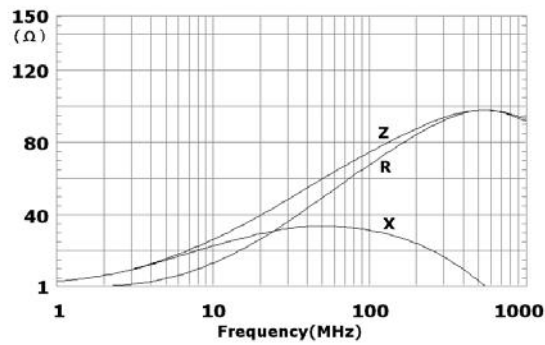
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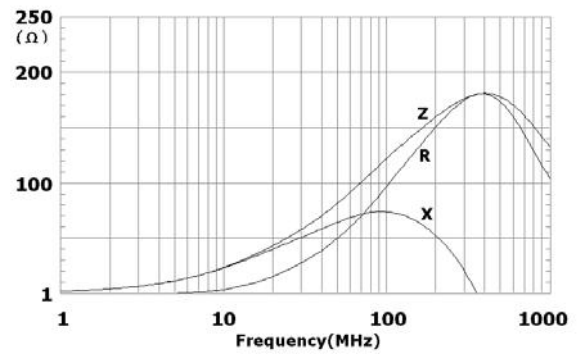
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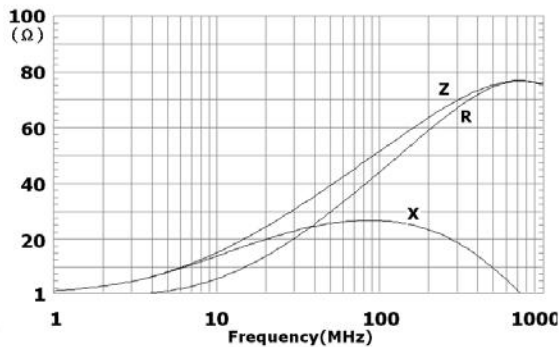
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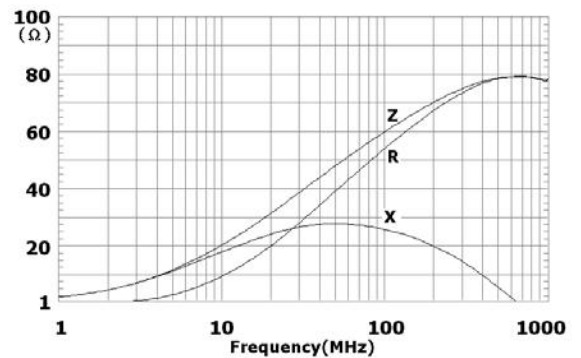
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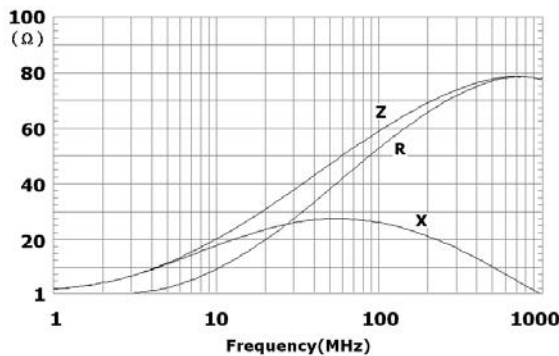
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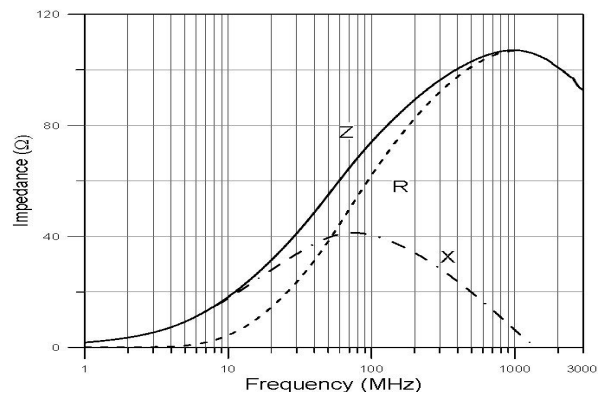
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FBU451616T-600Y-S



FBU451616T-750Y-S



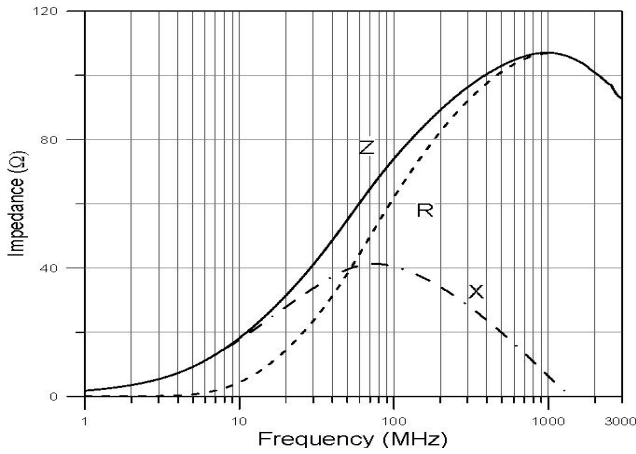
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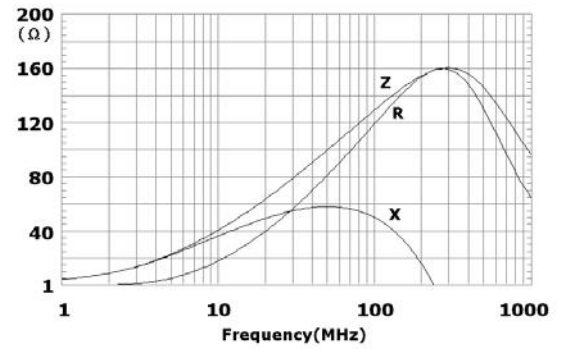
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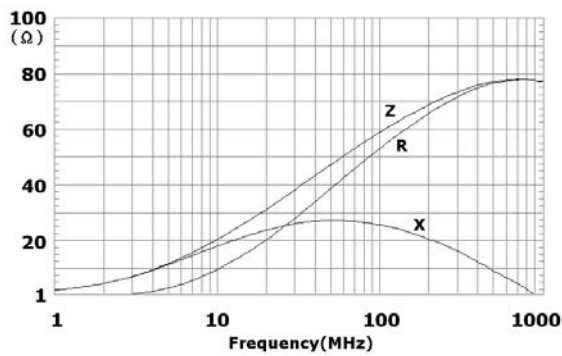
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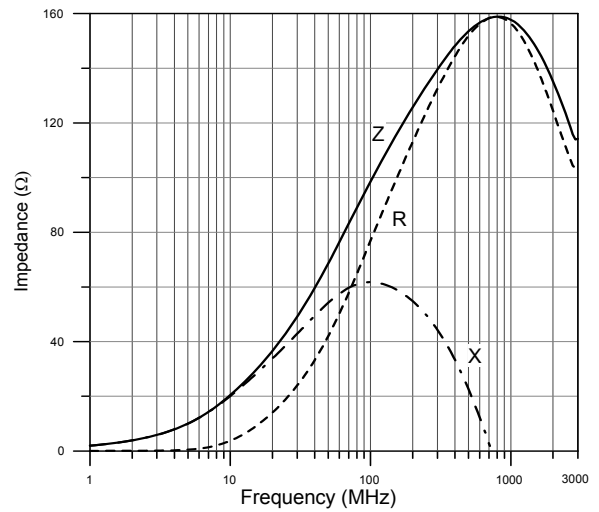
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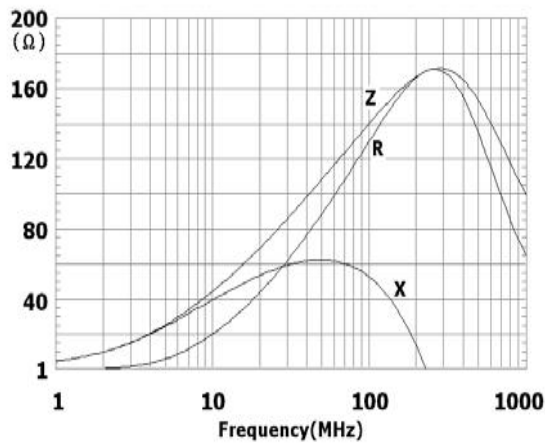
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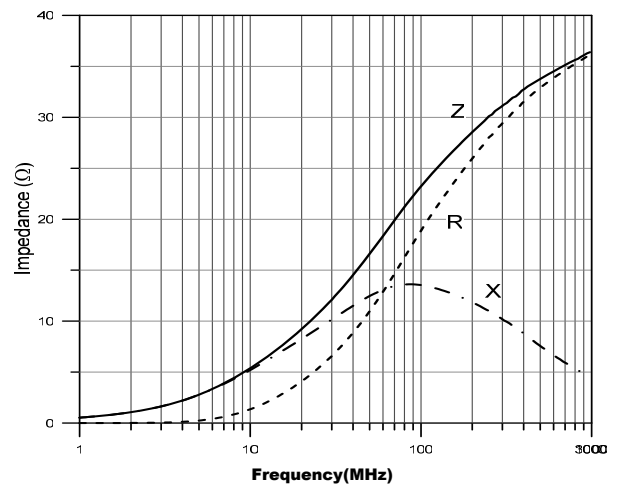
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FBU453215T-151Y-S



FBU160808T-260Y-S



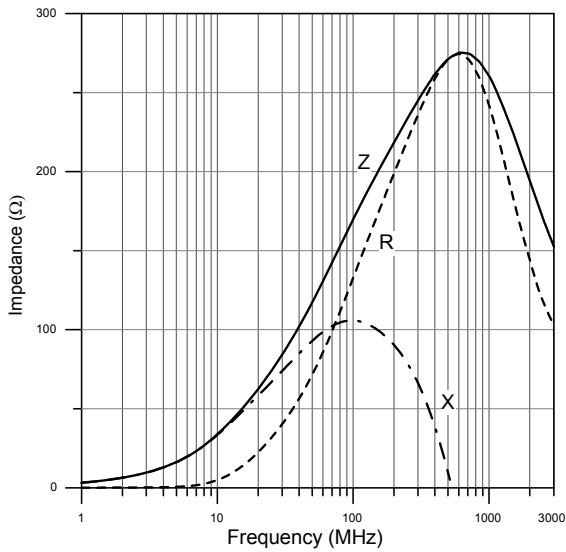
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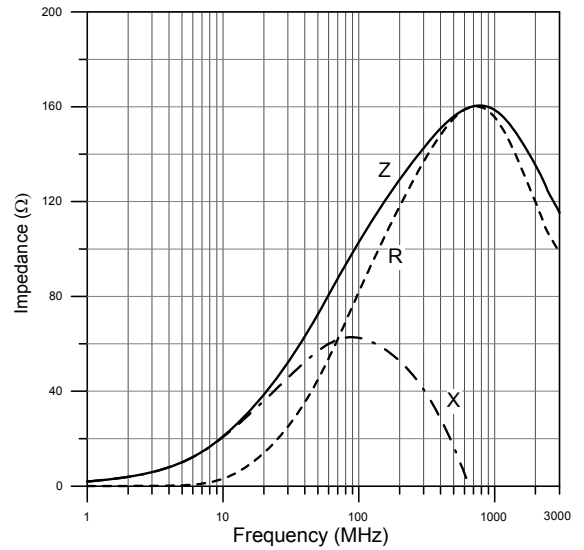
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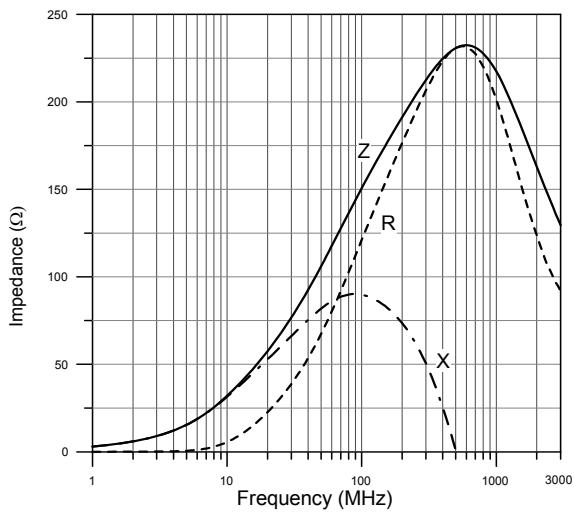
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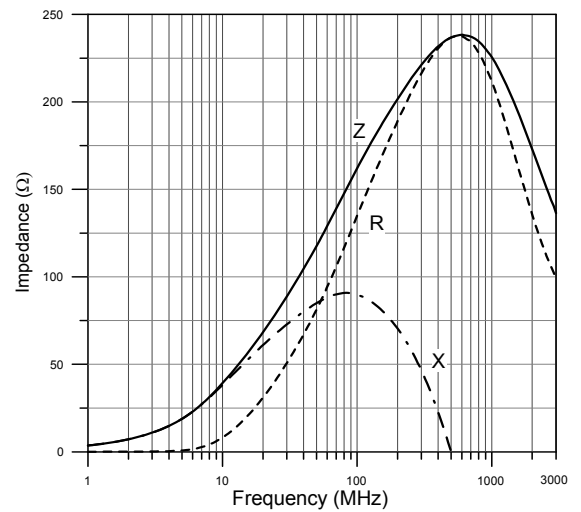
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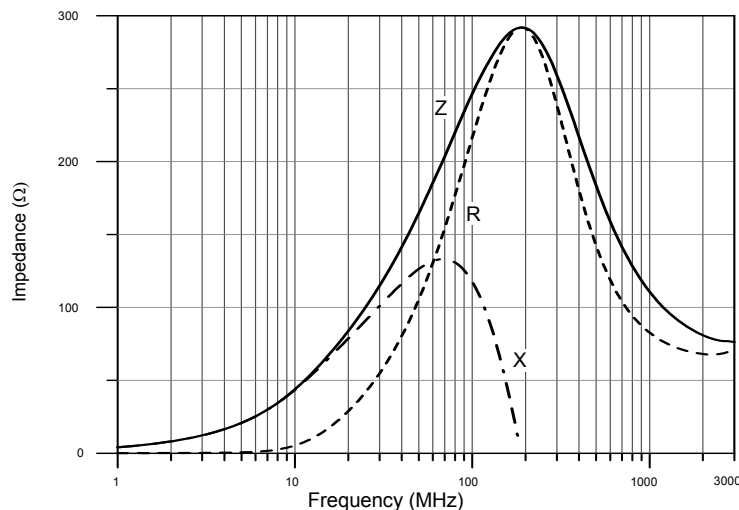
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FBU565018T-181Y-S



FBU565018T-251Y-S



REVISION A027 2/7/17