

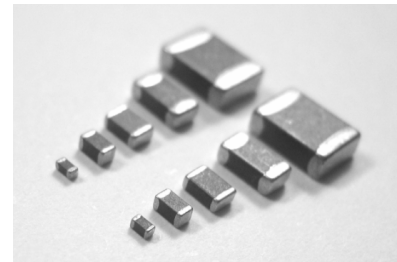
**1. MTBS Series**

Range of Size: (0603(0201)~3216(1206))

Test Equipment : E4991A IMPEDANCE ANALYZER

Operating Temperature : -55 ~+125

The max. rated current: the DC current value having temp. increased 40 after thro. DC current 2 hours at ambient temp.

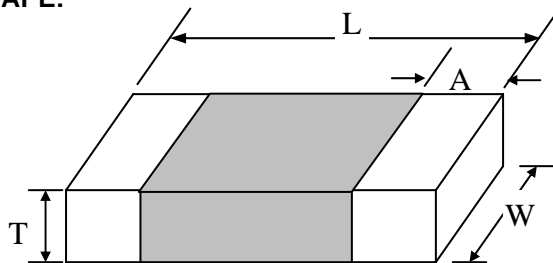


**Features**

- > The impedance characteristics mainly comprise resistive components (R), so when an element is inserted in series with a noise conduction passage, the noise content can be attenuated.
- > Either flow or reflow soldering methods can be used due to electroplating of the terminal electrodes.
- > High reliability due to an entirely monolithic structure.
- > Low DC resistance structure of electrode prevents wasteful electric power consumption.

**General Dimensions and Configuration**

**SHAPE:**



Unit: mm

**EQUIVALENT CIRCUIT DIAGRAM:**

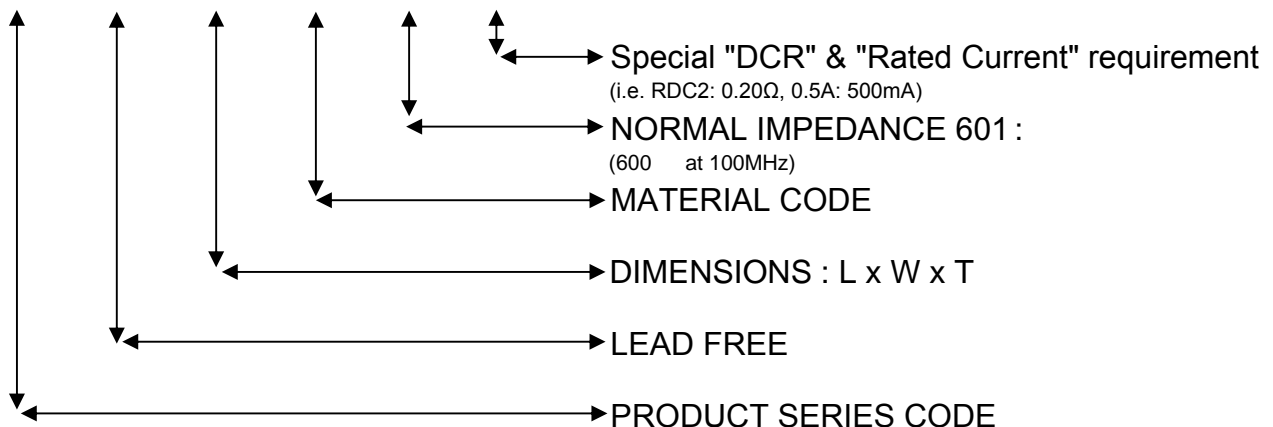


**DIMENSIONS:**

SHAPE	L (m/m)	W (m/m)	T (m/m)	A (m/m)	Net Weight (mg)
060303(0201)	0.60±0.03	0.30±0.03	0.30±0.03	0.10~0.20	0.26
100505(0402)	1.00±0.05	0.50±0.05	0.50±0.05	0.10~0.30	1.10
160808(0603)	1.60±0.15	0.80±0.15	0.80±0.15	0.20~0.60	5.80
201209(0805)	2.00±0.20	1.25±0.20	0.90+0.15/-0.20	0.20~0.80	12.00
321611(1206)	3.20±0.20	1.60±0.20	1.10±0.20	0.40~1.00	28.00

**Part Numbering Systems**

MTB S 201209 A 601 0.5A



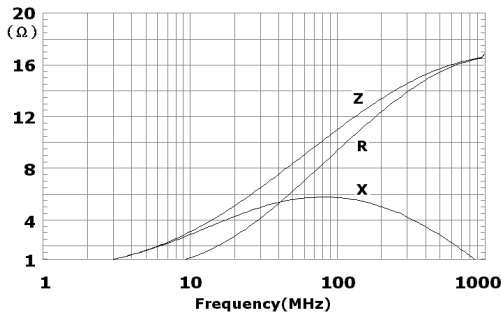
**1. MTBS Series (Size: 2012 (0805))****Electrical Characteristics**

Part No.	Impedance ( ) $\pm 25\%$ (100MHz, 500mV)	DC Resistance (Max.)	Rated Current mA (Max.)
MTBS201209A110	11	0.10	300
MTBS201209A170	17	0.10	300
MTBS201209A260	26	0.10	300
MTBS201209A310	31	0.10	300
MTBS201209A520	52	0.15	300
MTBS201209A600	60	0.15	300
MTBS201209A800	80	0.15	300
MTBS201209A101	100	0.20	300
MTBS201209A121	120	0.20	300
MTBS201209A151	150	0.20	300
MTBS201209A221	220	0.25	300
MTBS201209A301	300	0.25	300
MTBS201209A401	400	0.30	300
MTBS201209A531	530	0.35	300
MTBS201209A601	600	0.35	300
MTBS201209A601 0.5A	600	0.30	500
MTBS201209A102	1000	0.45	300
MTBS201209A152	1500	0.70	300
MTBS201209B050	5	0.07	500
MTBS201209B300	30	0.15	300
MTBS201209B600	60	0.15	300
MTBS201209B750	75	0.20	300
MTBS201209B101	100	0.20	300
MTBS201209B121	120	0.20	300
MTBS201209B221	220	0.25	200
MTBS201209B301	300	0.25	200
MTBS201209B601	600	0.25	200
MTBS201209B751	750	0.30	200
MTBS201209B102	1000	0.30	200
MTBS201209B152	1500	0.35	200
MTBS201209B182	1800	0.40	200
MTBS201209B202	2000	0.40	200
MTBS201209B222	2200	0.50	200
MTBS201209B252	2500	0.60	200
MTBS201209B272	2700	0.60	200
MTBS201209K320	32	0.10	500
MTBS201209K800	80	0.30	300
MTBS201209K601	600	0.35	200
MTBS201209K751	750	0.35	200
MTBS201209K102	1000	0.40	200
MTBS201209K122	1200	0.40	200
MTBS201209K152	1500	0.45	200
MTBS201209K202	2000	0.60	200
MTBS201209K222	2200	0.60	200
MTBS201209H050	5	0.07	500
MTBS201209H070	7	0.07	500
MTBS201209H121	120	0.35	300
MTBS201209H601	600	0.65	200

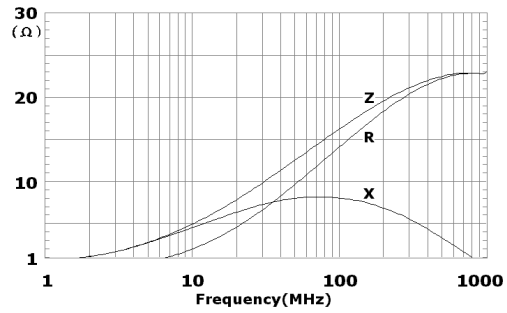
1. MTBS Series (Size: 2012 (0805))

Rating Curves

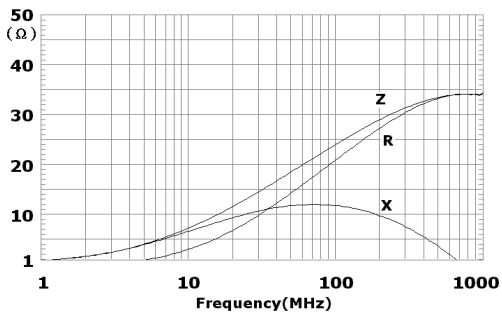
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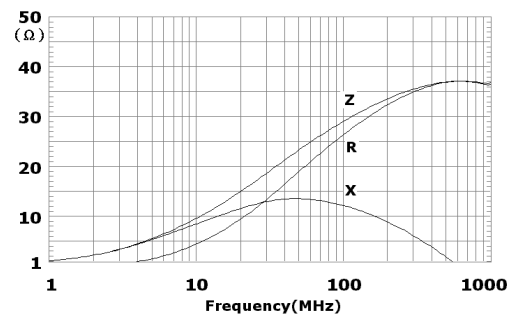
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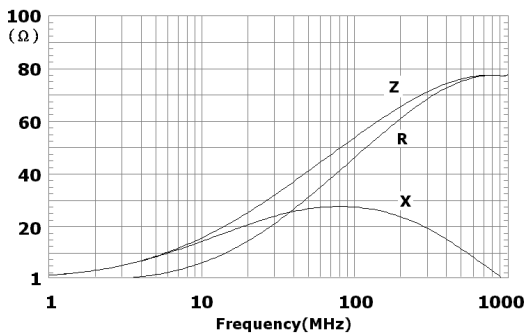
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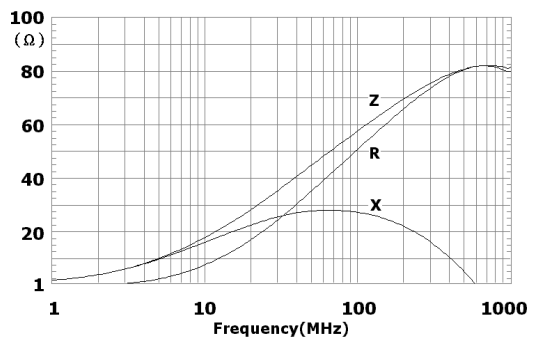
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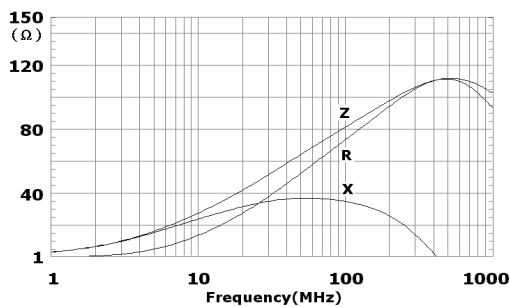
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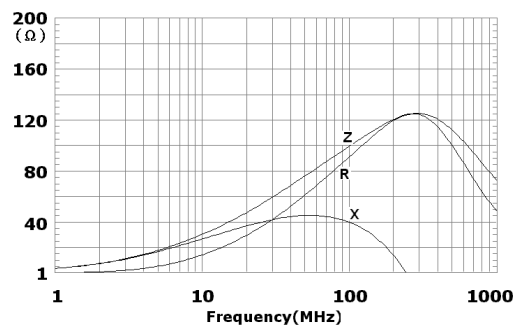
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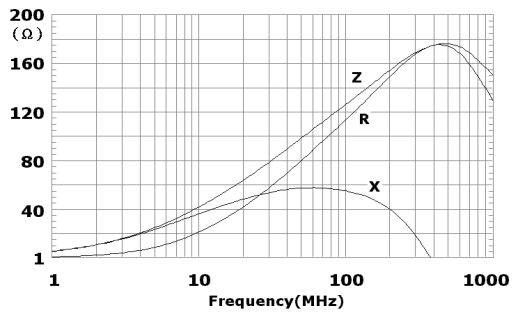
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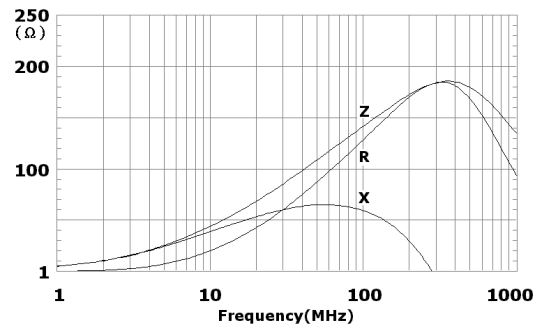
1. MTBS Series (Size: 2012 (0805))

Rating Curves (Cont'd)

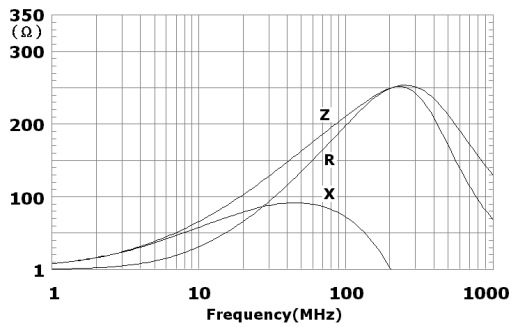
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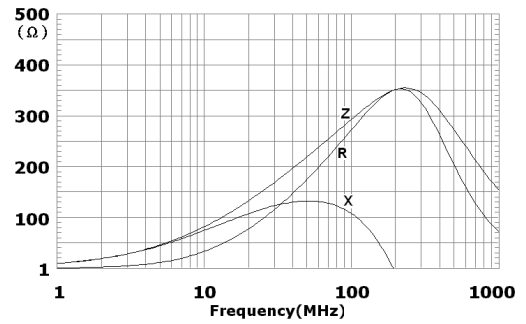
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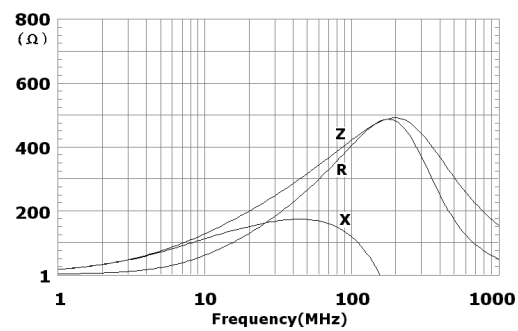
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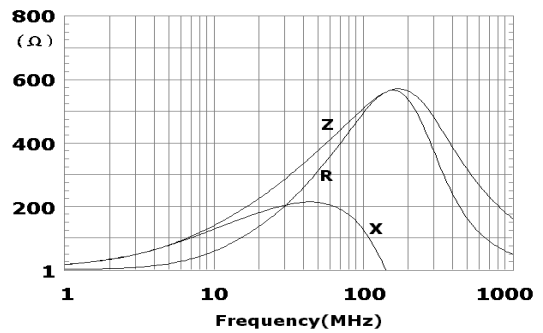
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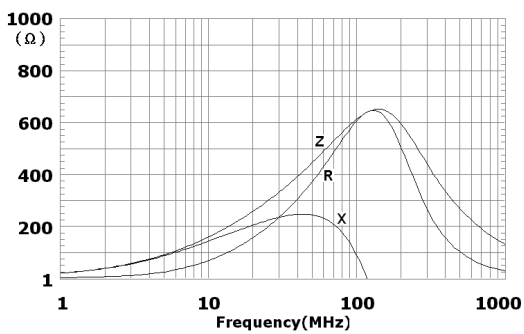
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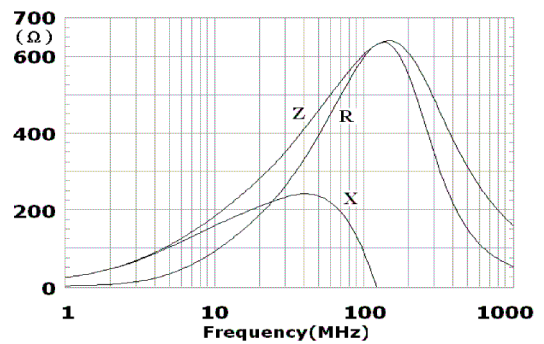
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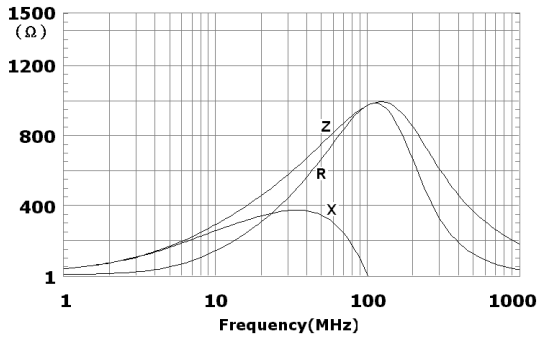
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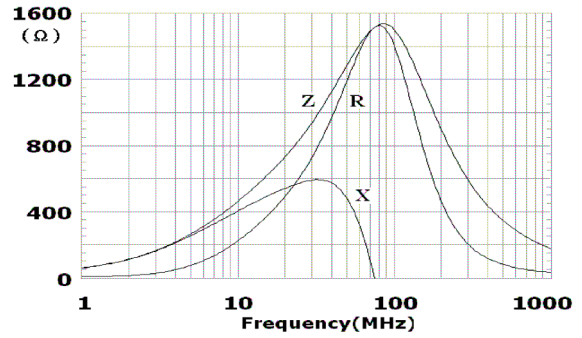
1. MTBS Series (Size: 2012 (0805))

Rating Curves (Cont'd)

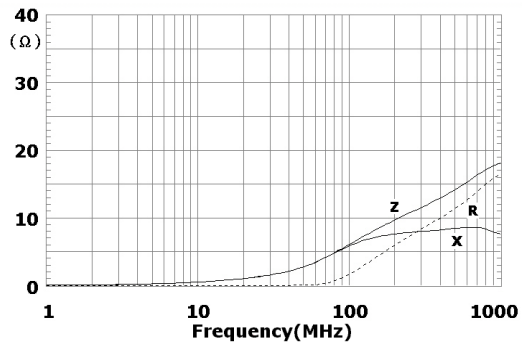
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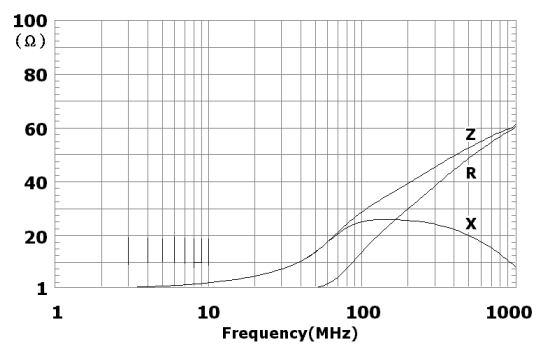
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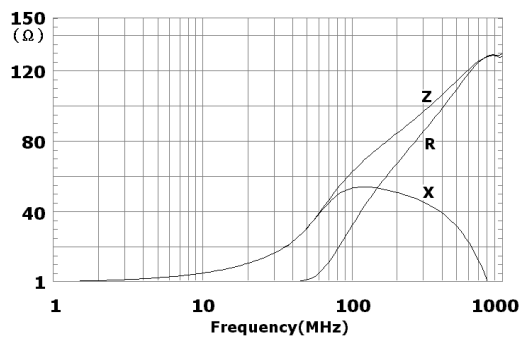
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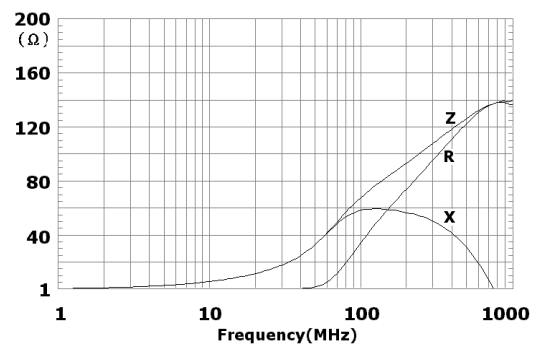
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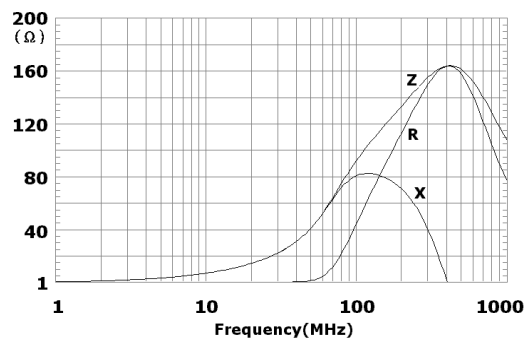
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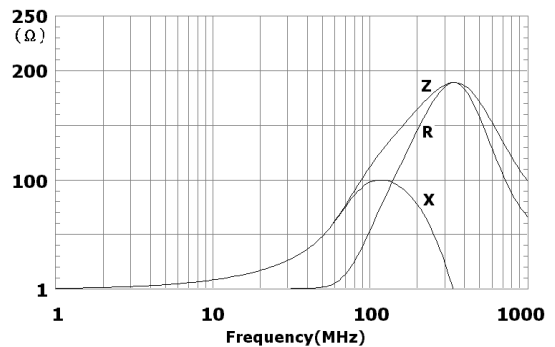
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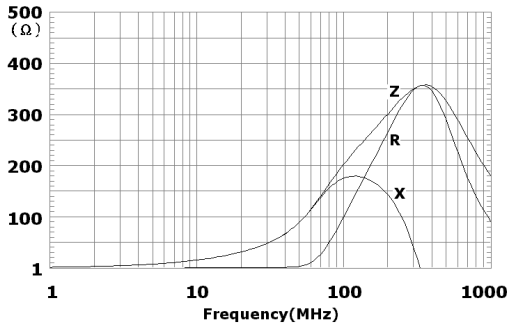
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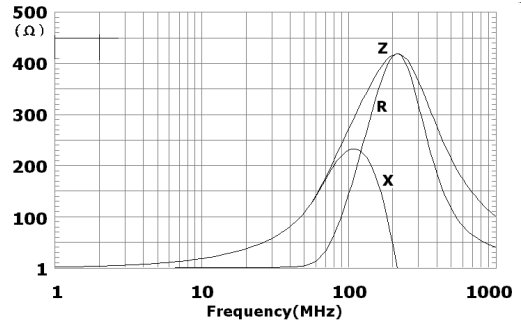
1. MTBS Series (Size: 2012 (0805))

Rating Curves (Cont'd)

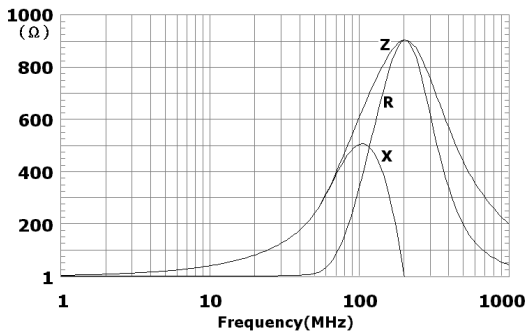
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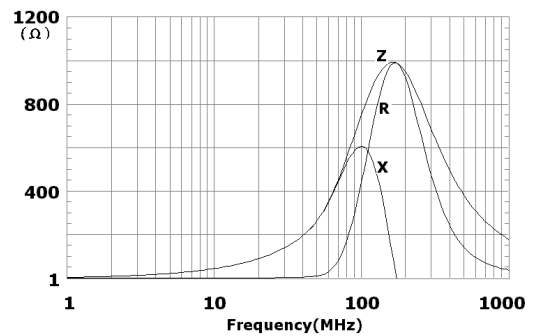
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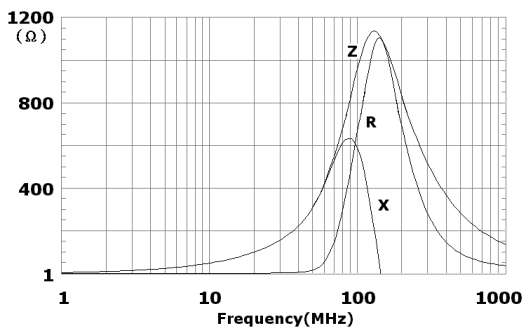
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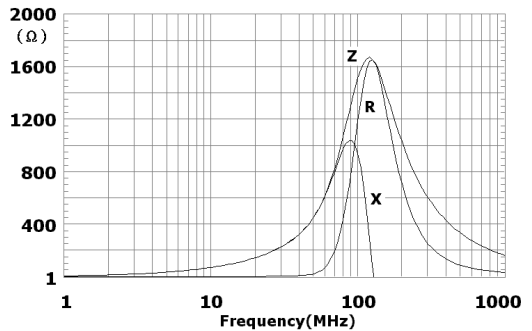
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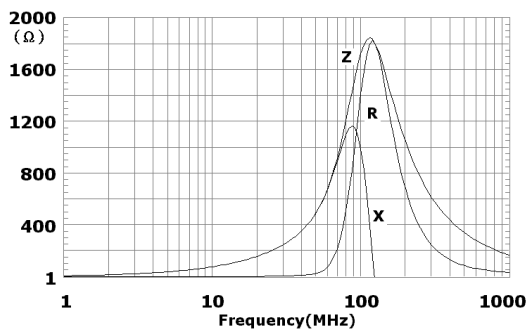
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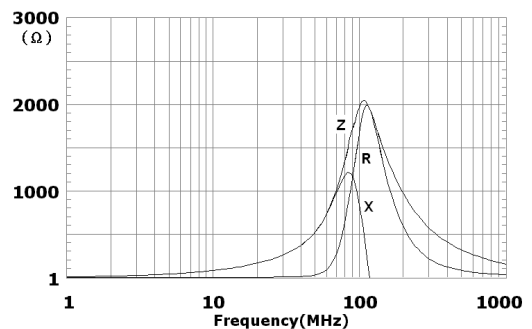
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MTBS201209B182



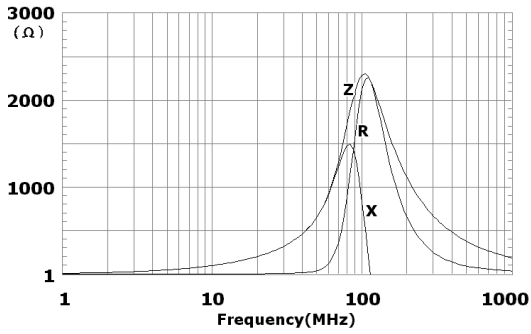
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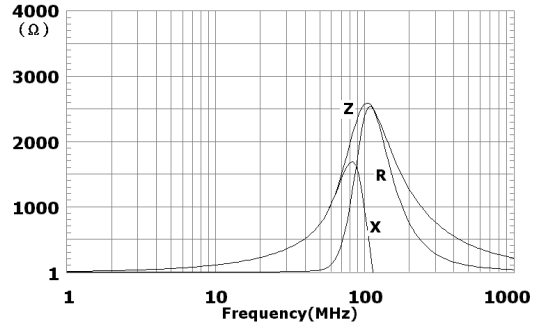
1. MTBS Series (Size: 2012 (0805))

Rating Curves (Cont'd)

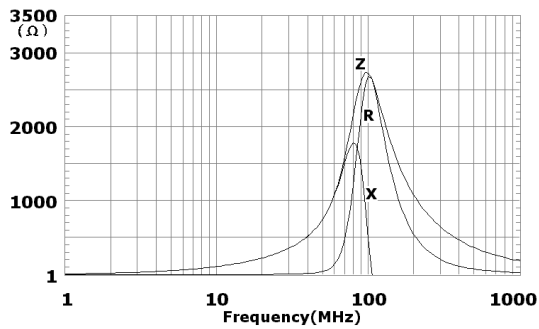
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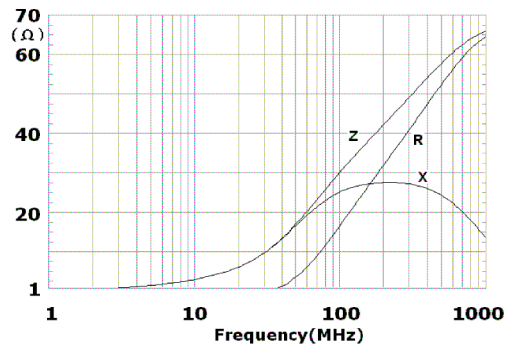
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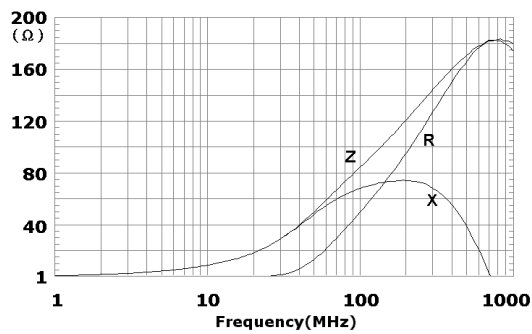
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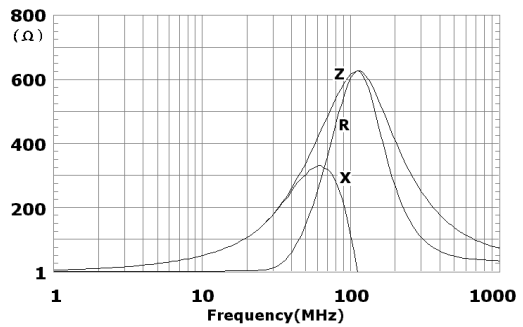
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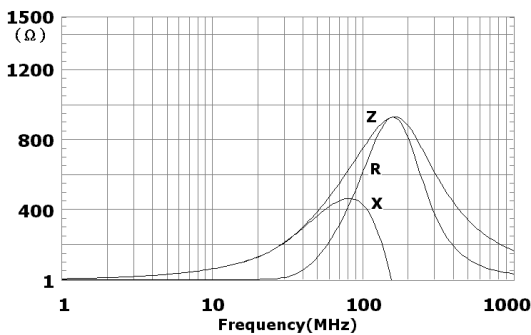
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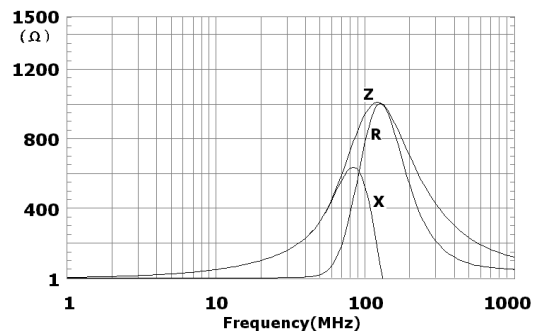
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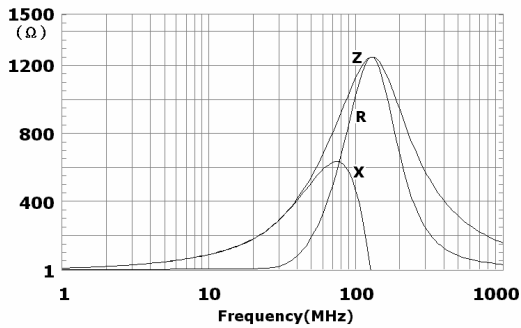
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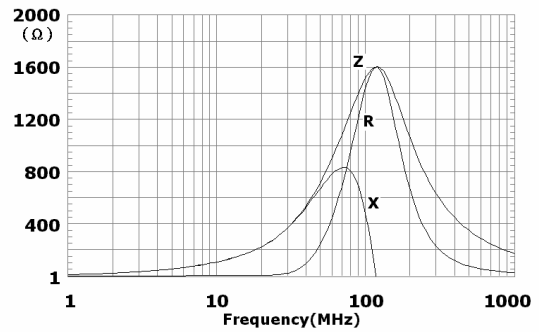
1. MTBS Series (Size: 2012 (0805))

Rating Curves (Cont'd)

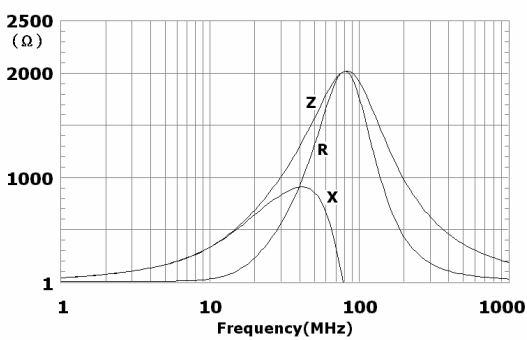
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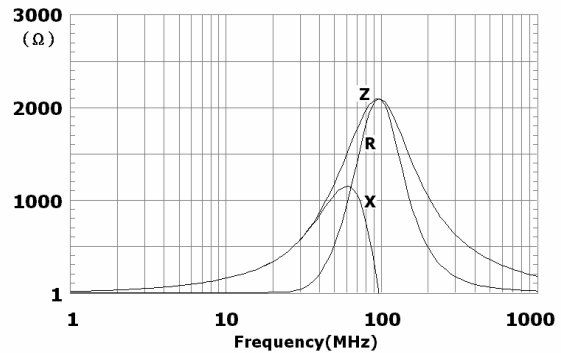
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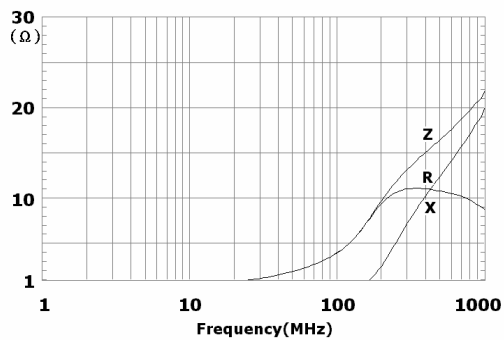
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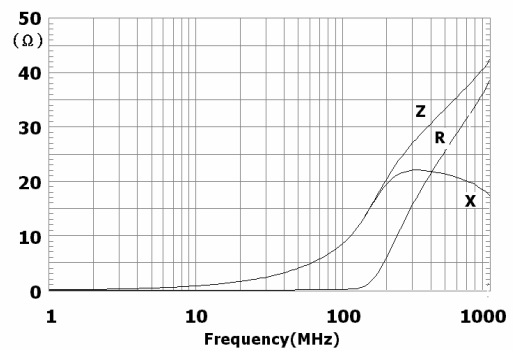
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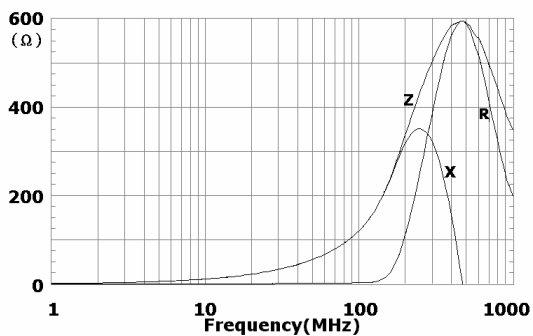
MTBS201209H050



MTBS201209H070



MTBS201209H121



MTBS201209H601

