

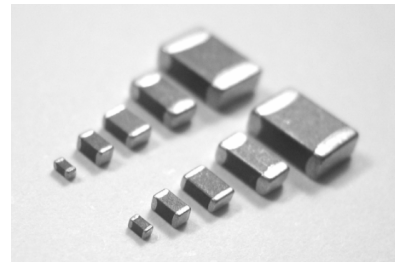
1. MTBS Series

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.

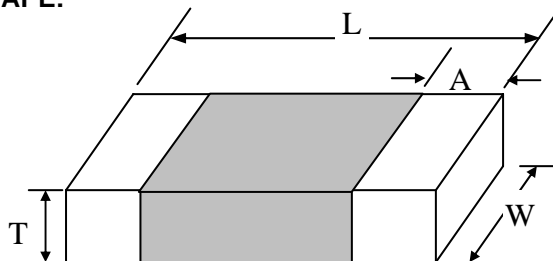


Features

- > 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:

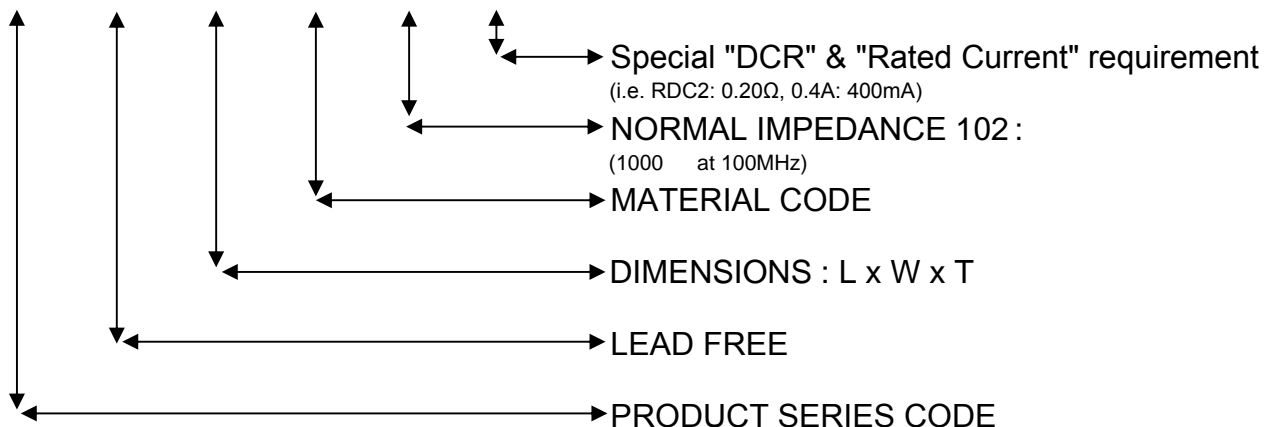


DIMENSIONS:

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 160808 A 102 0.4A



(I) MULTILAYER FERRITE CHIP BEADS

Tri-Tron

1. MTBS Series (Size: 1608 (0603))

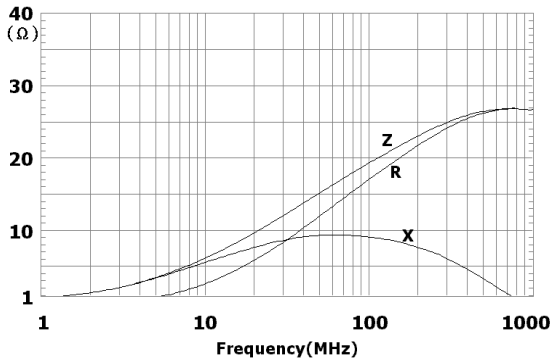
Electrical Characteristics

Part No.	Impedance () $\pm 25\%$ (100MHz, 500mV)	DC Resistance (Max.)	Rated Current mA (Max.)
MTBS160808A190	19	0.10	400
MTBS160808A310	31	0.10	400
MTBS160808A520	52	0.15	400
MTBS160808A600	60	0.15	400
MTBS160808A800	80	0.15	400
MTBS160808A101	100	0.15	400
MTBS160808A121	120	0.15	400
MTBS160808A151	150	0.15	400
MTBS160808A181	180	0.20	400
MTBS160808A201	200	0.20	400
MTBS160808A221	220	0.20	400
MTBS160808A301	300	0.30	400
MTBS160808A401	400	0.30	400
MTBS160808A451	450	0.30	400
MTBS160808A601	600	0.35	400
MTBS160808A751	750	0.35	400
MTBS160808A102	1000	0.55	300
MTBS160808A102 0.4A	1000	0.50	400
MTBS160808A152	1500	0.60	200
MTBS160808B050	5	0.08	700
MTBS160808B300	30	0.20	500
MTBS160808B600	60	0.25	450
MTBS160808B101	100	0.30	450
MTBS160808B121	120	0.30	450
MTBS160808B151	150	0.35	450
MTBS160808B221	220	0.35	450
MTBS160808B301	300	0.35	450
MTBS160808B471	470	0.35	450
MTBS160808B601	600	0.40	450
MTBS160808B102	1000	0.60	300
MTBS160808K471	470	0.55	200
MTBS160808K601	600	0.65	200
MTBS160808K751	750	0.70	200
MTBS160808K102	1000	0.85	100
MTBS160808K152	1500	0.90	100
MTBS160808K202	2000	1.00	100
MTBS160808K222	2200	1.00	50
MTBS160808K252	2500	1.00	50
MTBS160808H070	7	0.10	900
MTBS160808H100	10	0.10	900
MTBS160808H680	68	0.10	700
MTBS160808H121	120	0.30	300
MTBS160808H301	300	0.35	300
MTBS160808H601	600	0.65	300
MTBS160808H102	1000	1.10	50

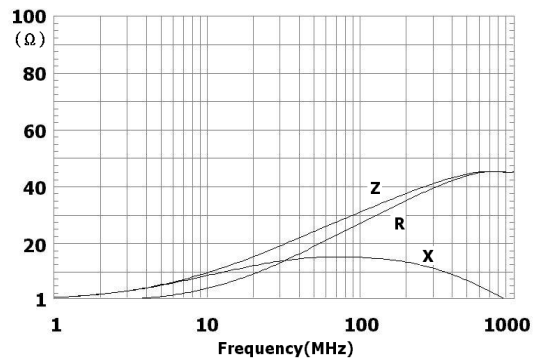
1. MTBS Series (Size: 1608 (0603))

Rating Curves

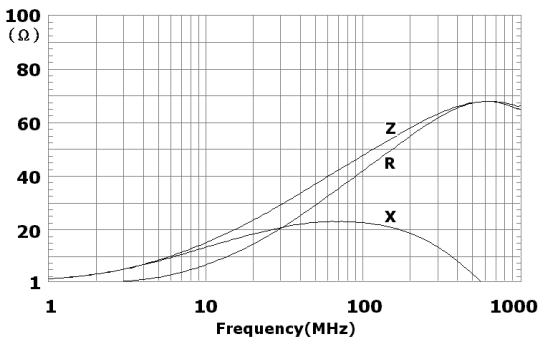
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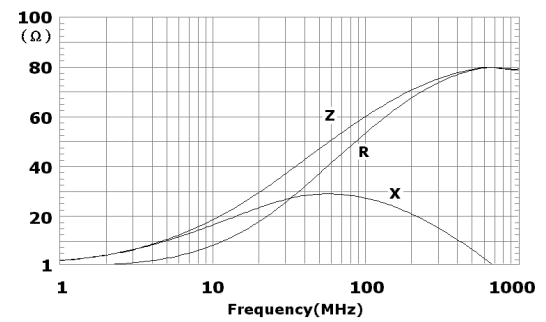
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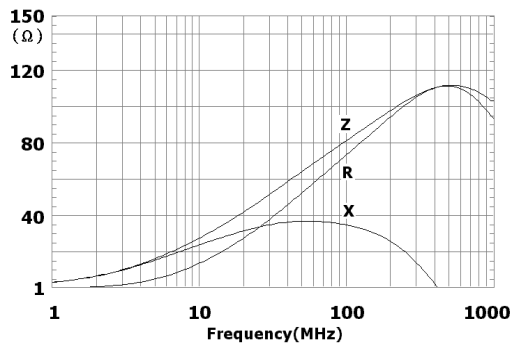
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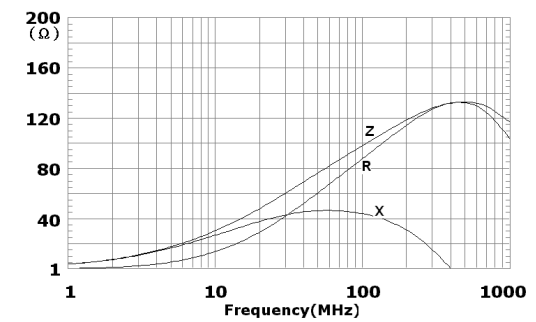
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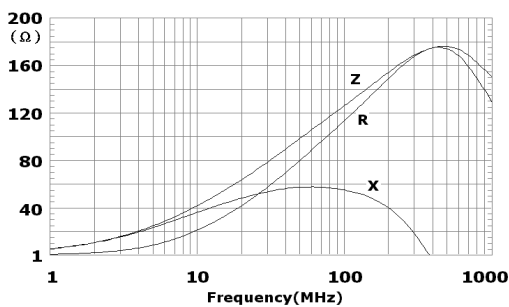
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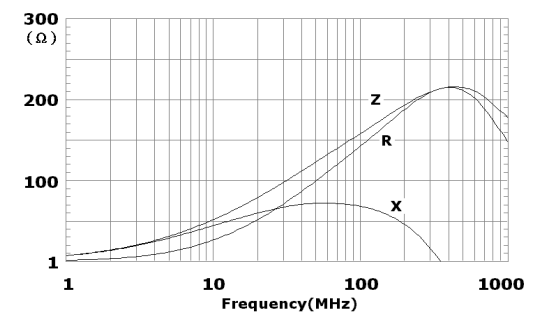
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MTBS160808A121



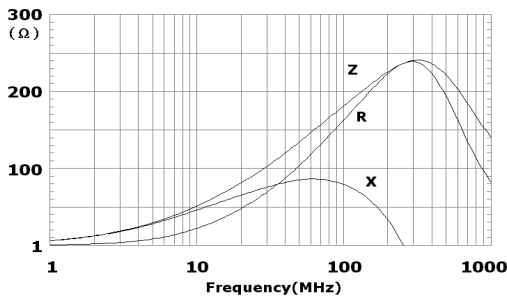
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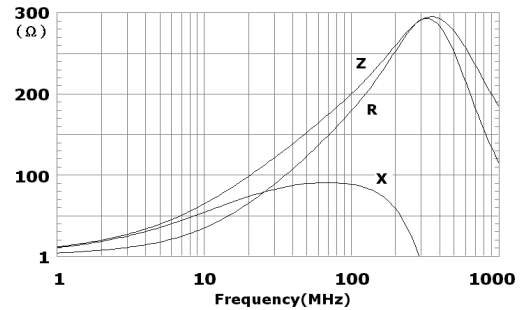
1. MTBS Series (Size: 1608 (0603))

Rating Curves (Cont'd)

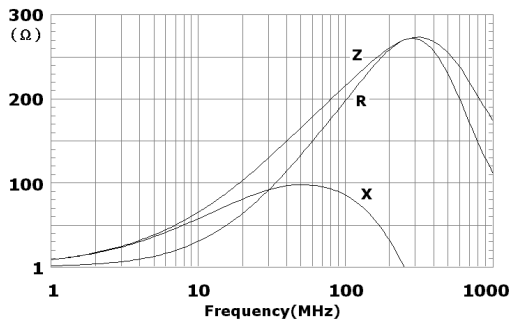
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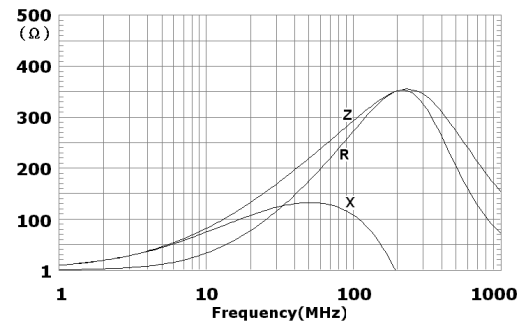
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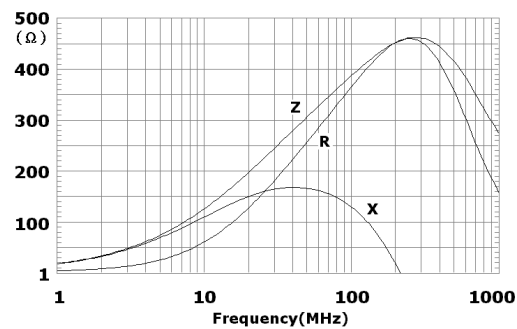
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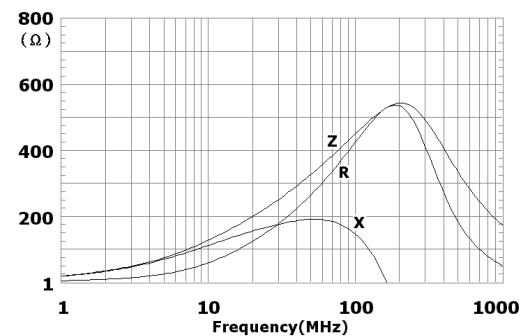
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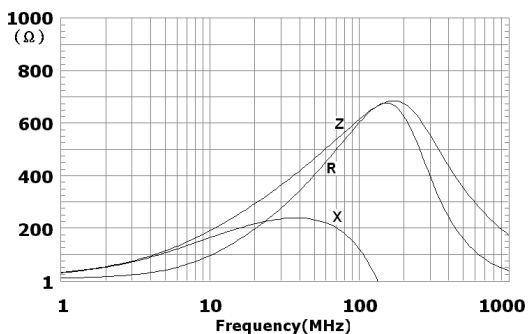
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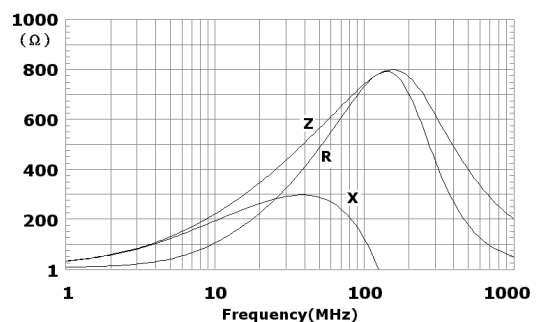
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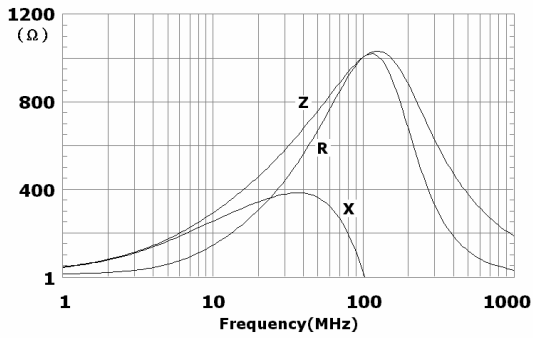
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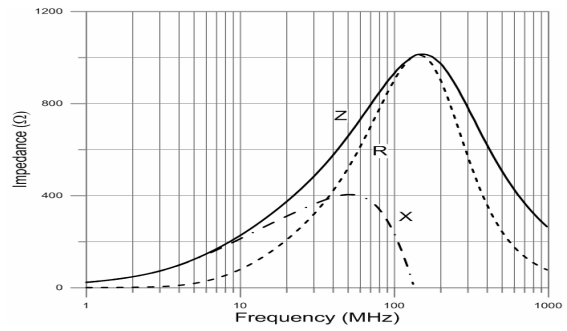
1. MTBS Series (Size: 1608 (0603))

Rating Curves (Cont'd)

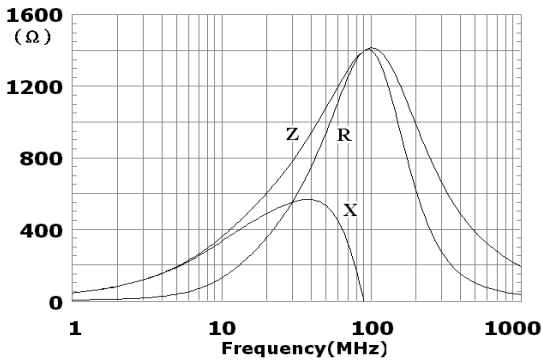
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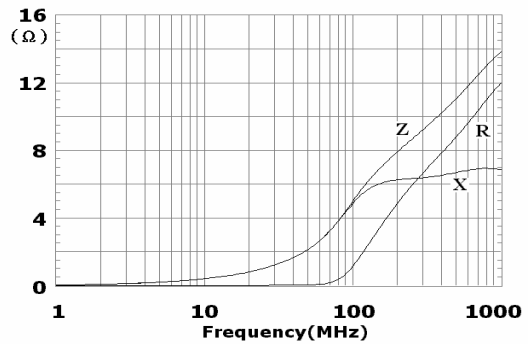
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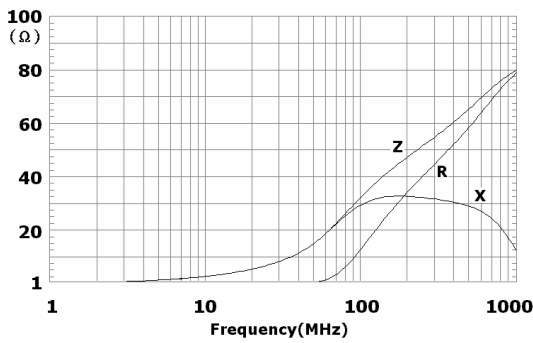
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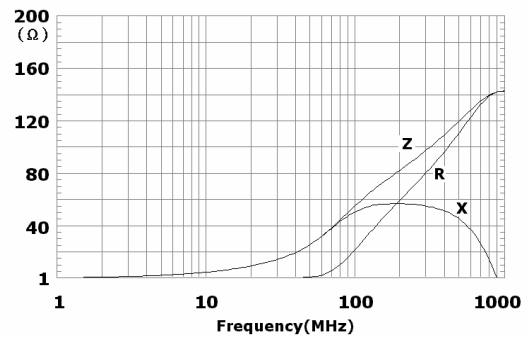
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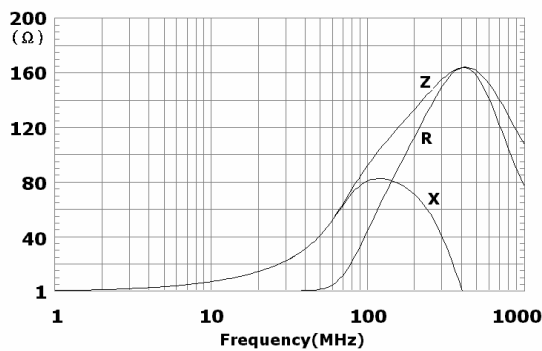
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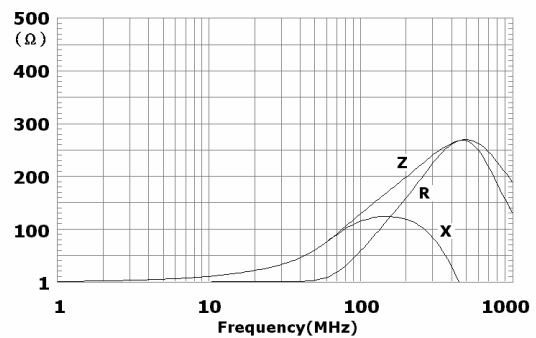
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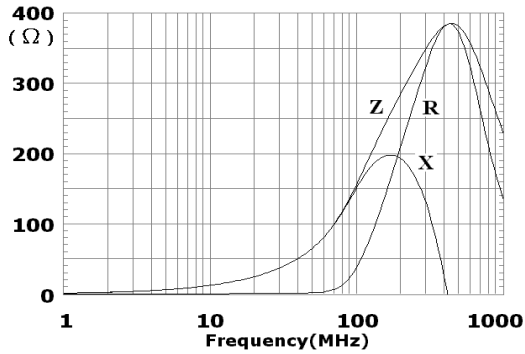
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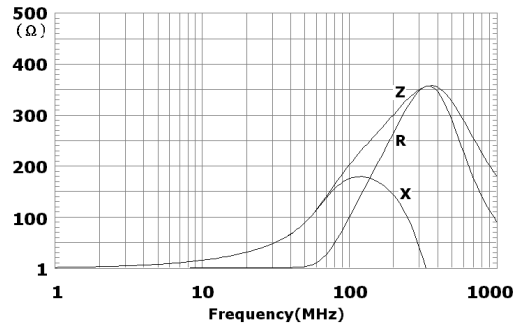
1. MTBS Series (Size: 1608 (0603))

Rating Curves (Cont'd)

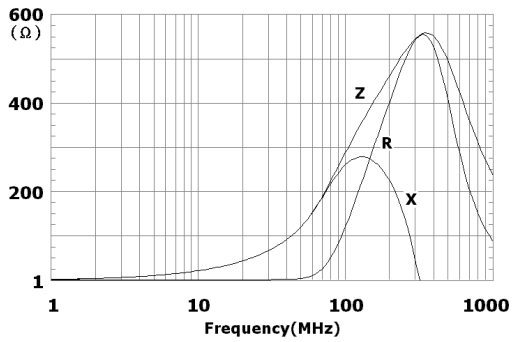
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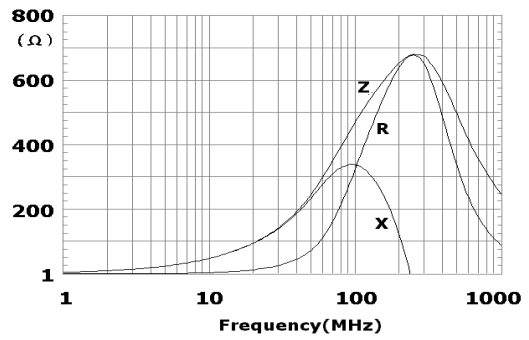
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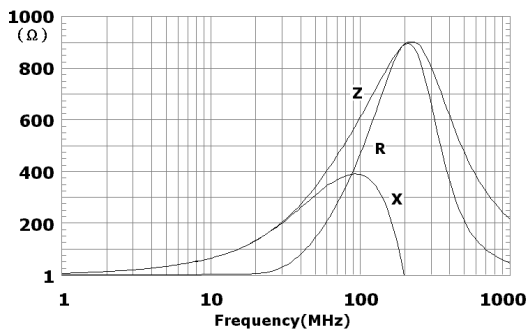
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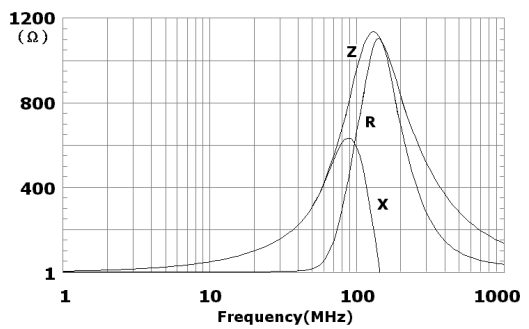
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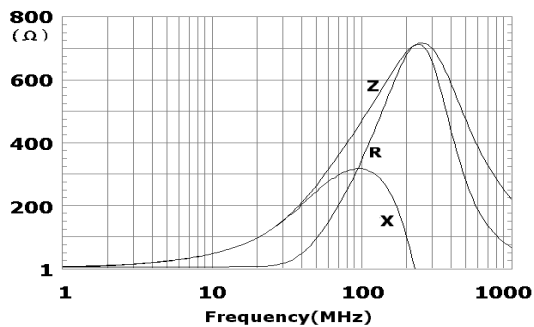
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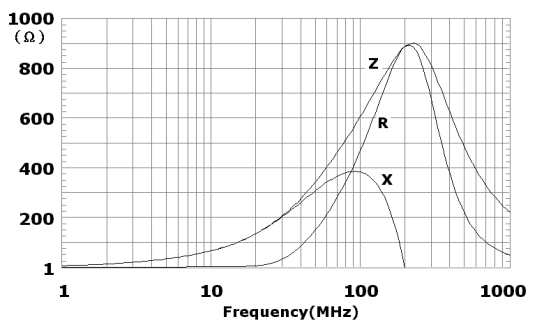
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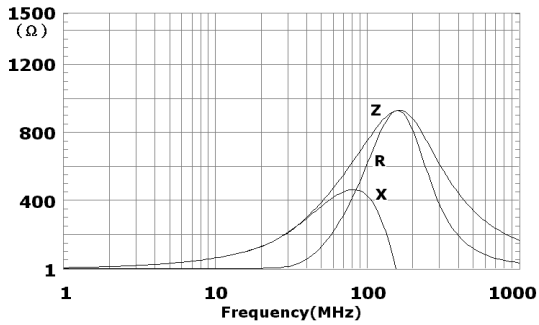
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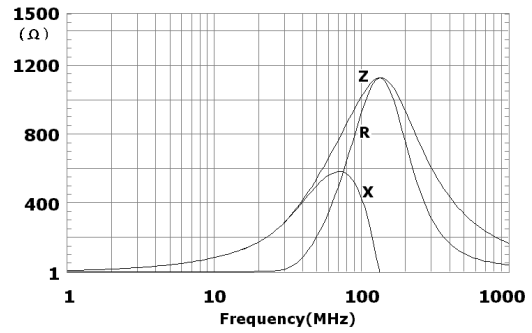
1. MTBS Series (Size: 1608 (0603))

Rating Curves (Cont'd)

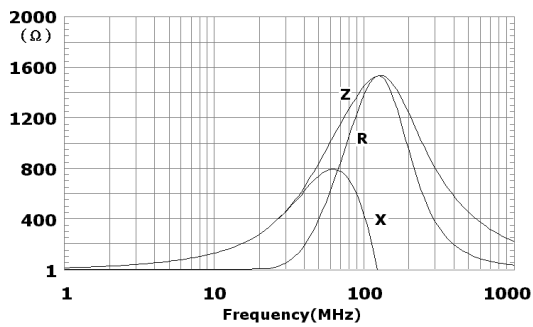
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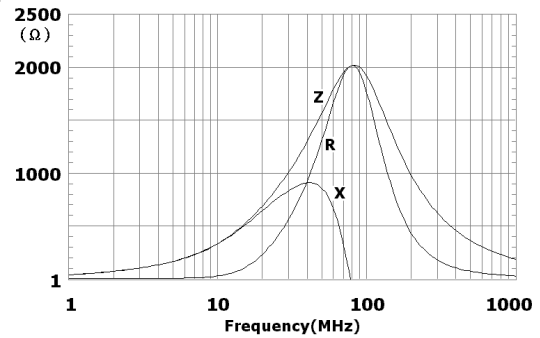
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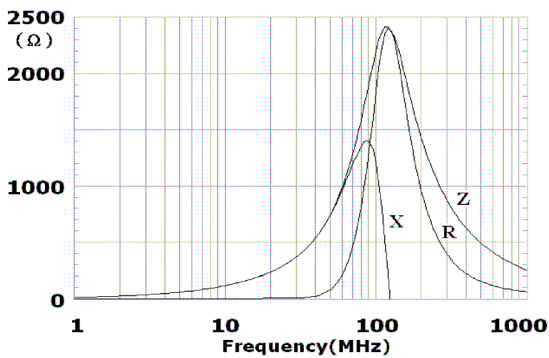
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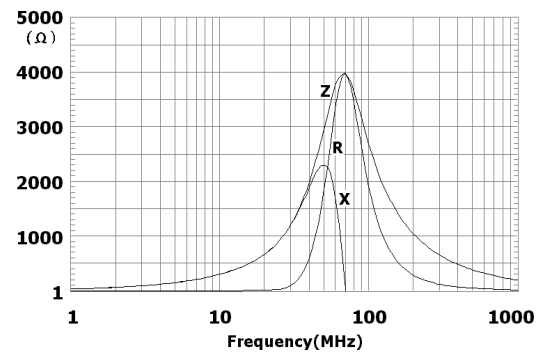
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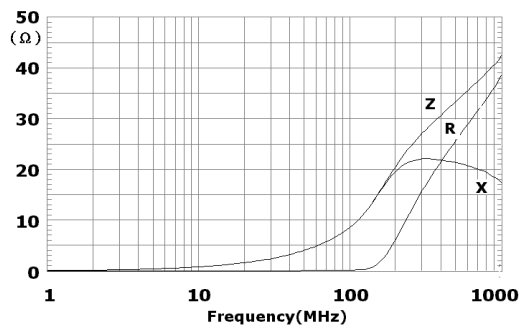
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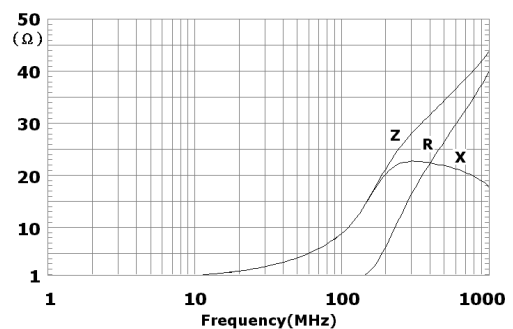
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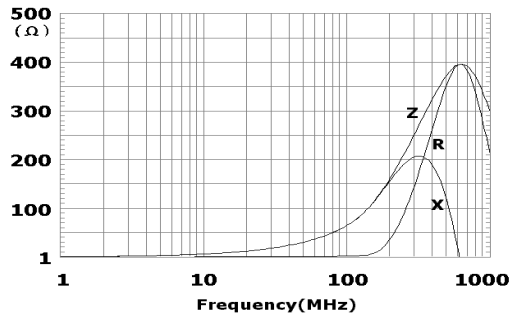
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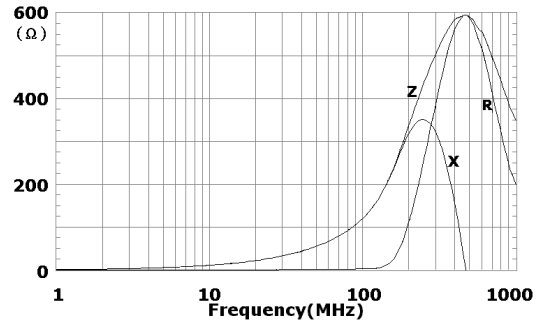
1. MTBS Series (Size: 1608 (0603))

Rating Curves (Cont'd)

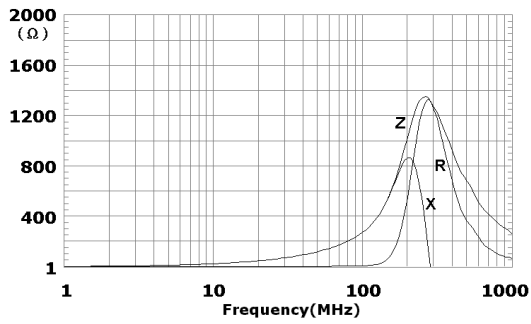
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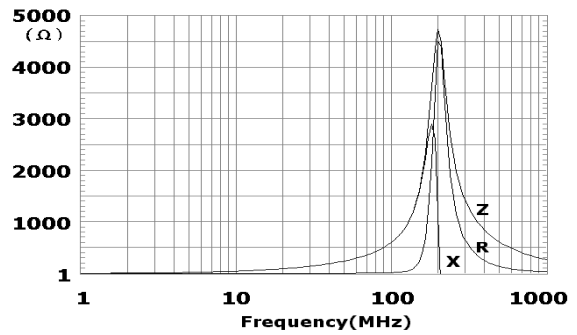
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MTBS160808H301



MTBS160808H601



MTBS160808H102

