

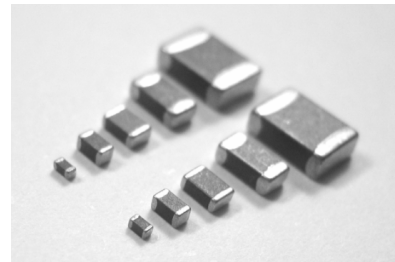
1. MTBS Series

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.

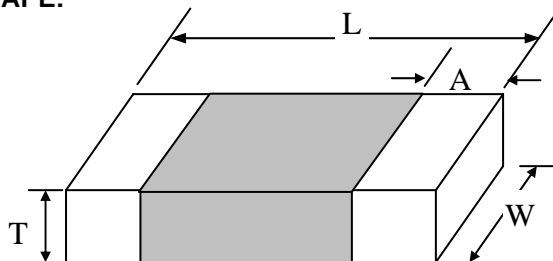


Features

- > 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:

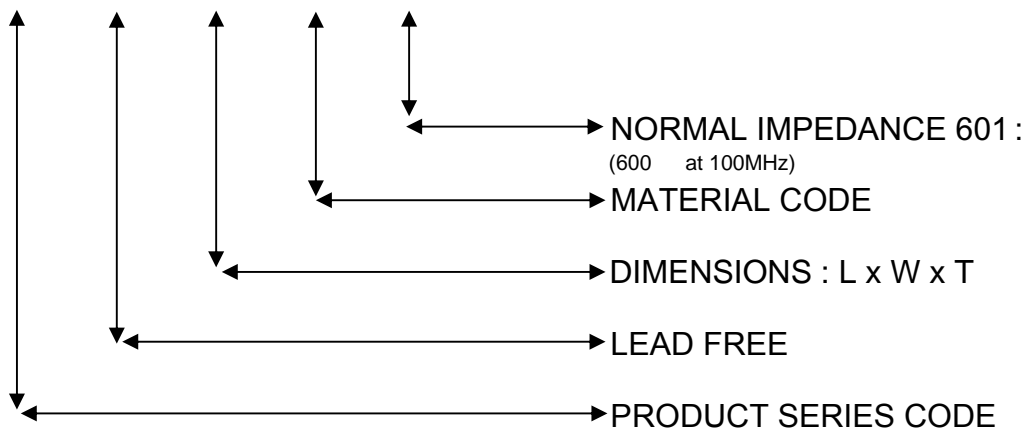


DIMENSIONS:

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 321611 A 601



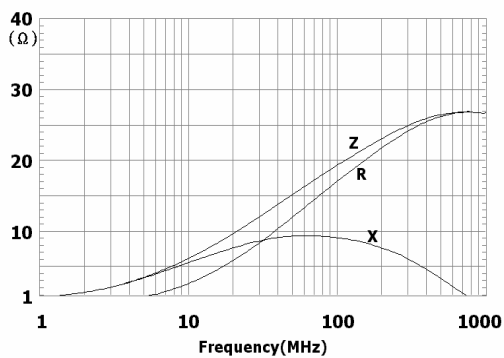
1. MTBS Series (Size: 3216 (1206))

Electrical Characteristics

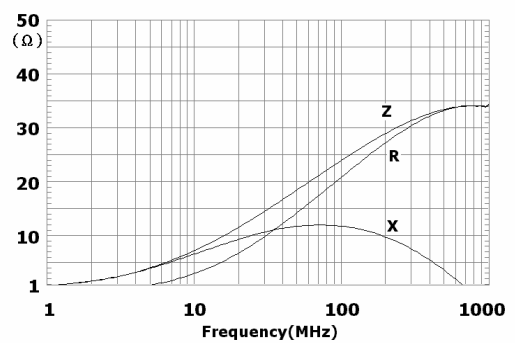
Part No.	Impedance () $\pm 25\%$ (100MHz, 500mV)	DC Resistance (Max.)	Rated Current mA (Max.)
MTBS321611A190	19	0.10	800
MTBS321611A260	26	0.10	800
MTBS321611A310	31	0.10	800
MTBS321611A520	52	0.15	800
MTBS321611A600	60	0.15	500
MTBS321611A700	70	0.15	500
MTBS321611A900	90	0.15	500
MTBS321611A101	100	0.20	450
MTBS321611A121	120	0.20	450
MTBS321611A151	150	0.20	450
MTBS321611A221	220	0.20	350
MTBS321611A301	300	0.20	350
MTBS321611A401	400	0.25	350
MTBS321611A601	600	0.25	350
MTBS321611A751	750	0.30	350
MTBS321611A102	1000	0.35	350
MTBS321611A152	1500	0.40	350
MTBS321611A182	1800	0.40	350
MTBS321611K601	600	0.50	200
MTBS321611K102	1000	0.70	200
MTBS321611K122	1200	0.70	200

Rating Curves

MTBS321611A190



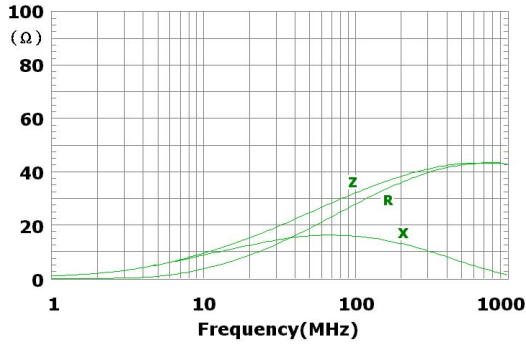
MTBS321611A260



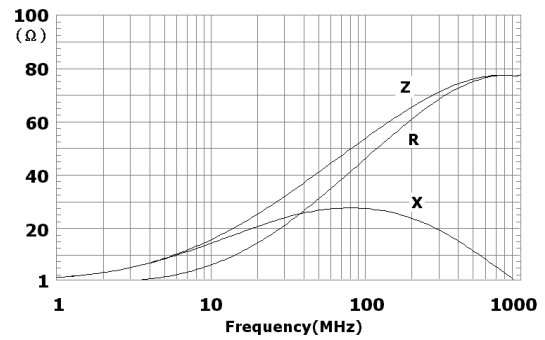
1. MTBS Series (Size: 3216 (1206))

Rating Curves (Cont'd)

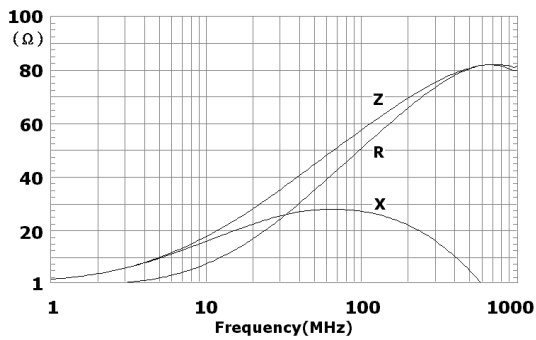
MTBS321611A310



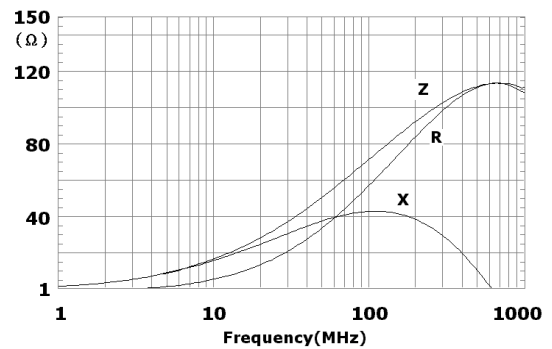
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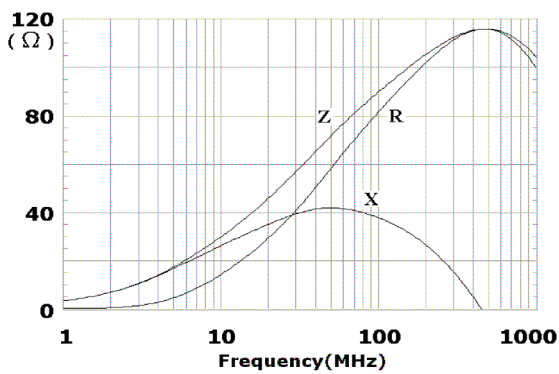
MTBS321611A600



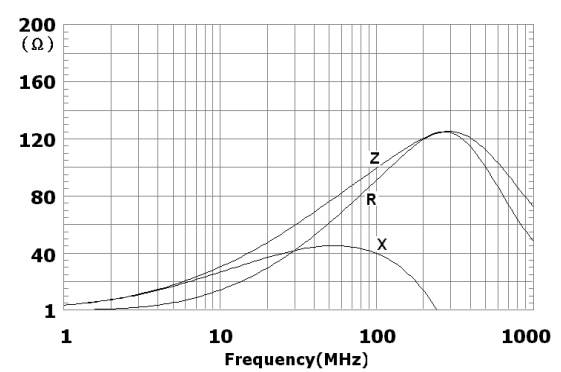
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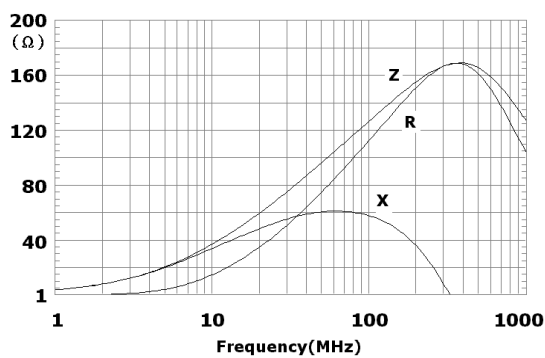
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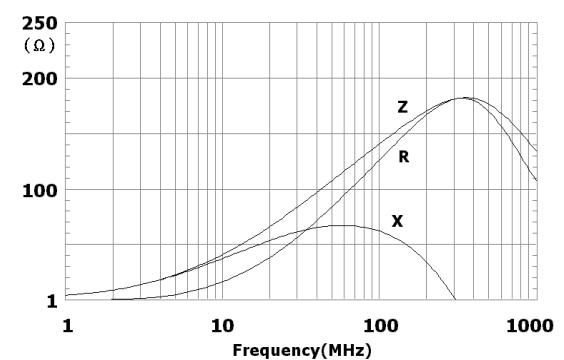
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MTBS321611A121



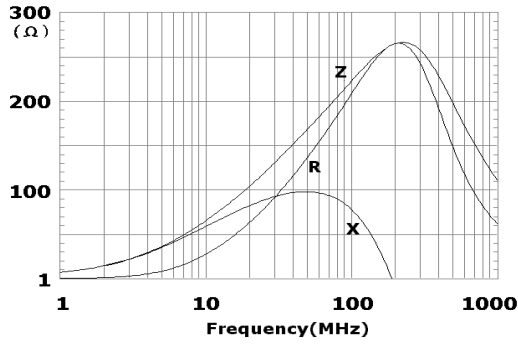
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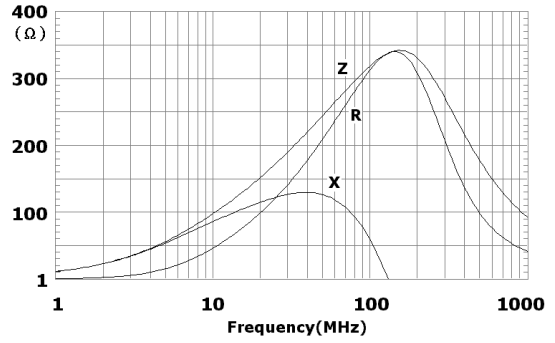
1. MTBS Series (Size: 3216 (1206))

Rating Curves (Cont'd)

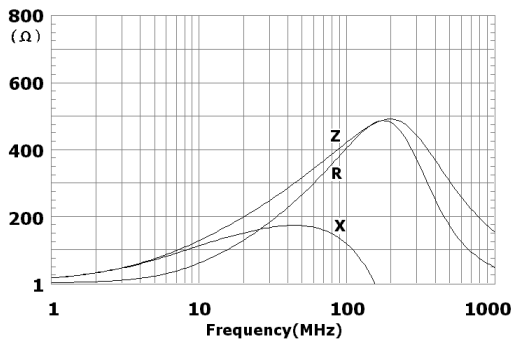
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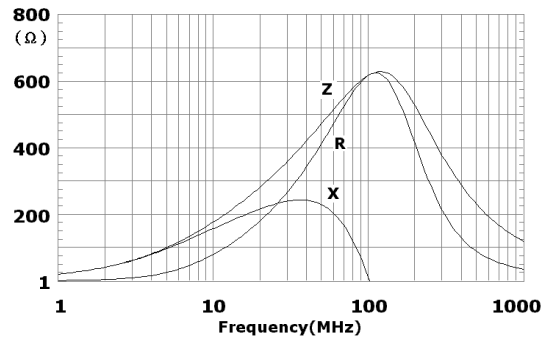
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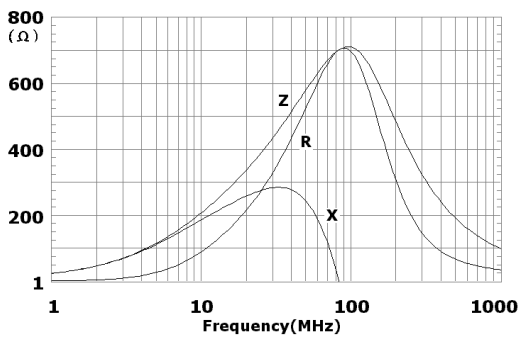
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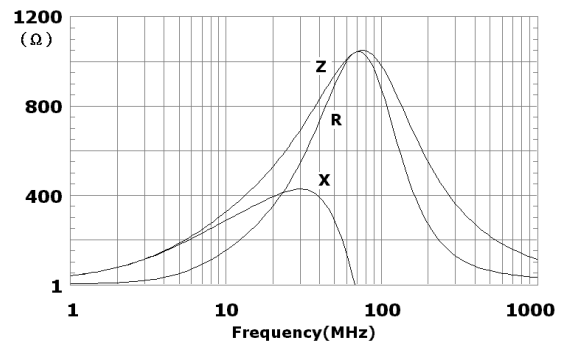
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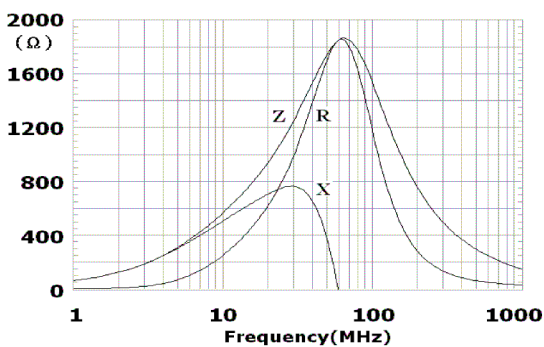
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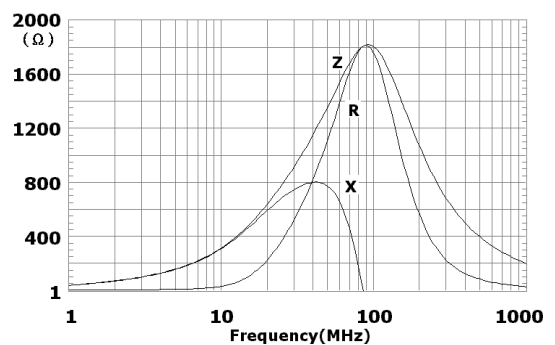
MTBS321611A102



MTBS321611A152



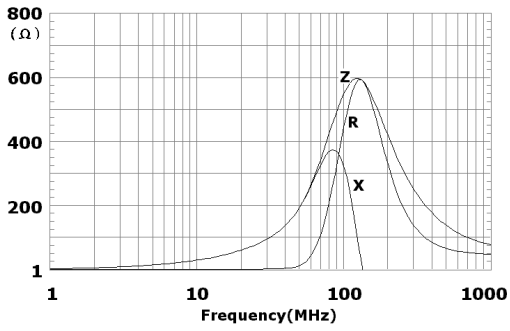
MTBS321611A182



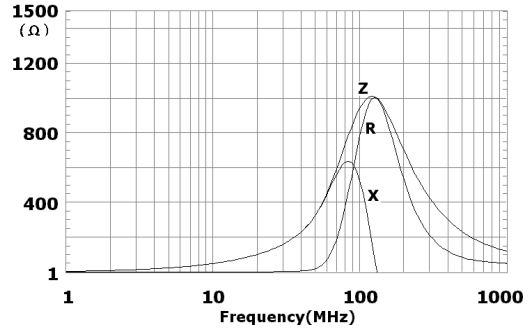
1. MTBS Series (Size: 3216 (1206))

Rating Curves (Cont'd)

MTBS321611K601



MTBS321611K102



MTBS321611K122

