

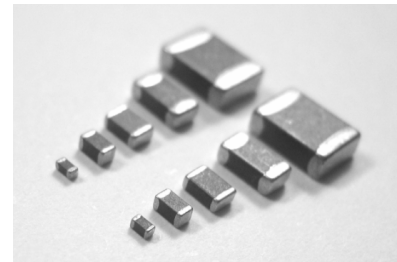
1. MTBS Series

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.

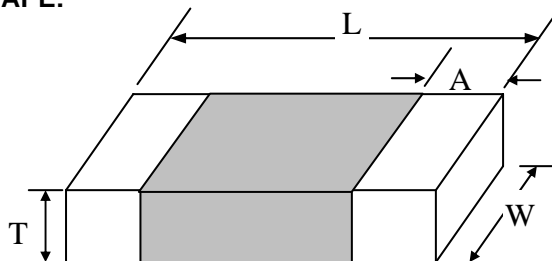


Features

- > 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:

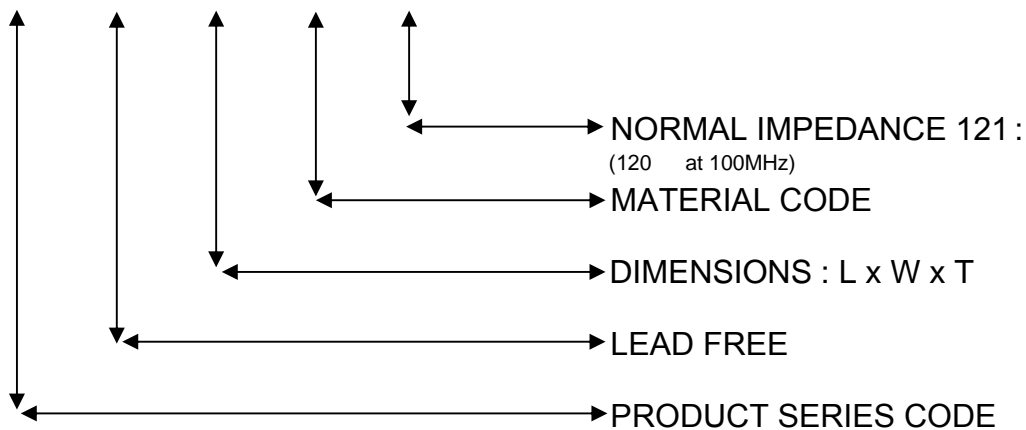


DIMENSIONS:

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 060303 A 121



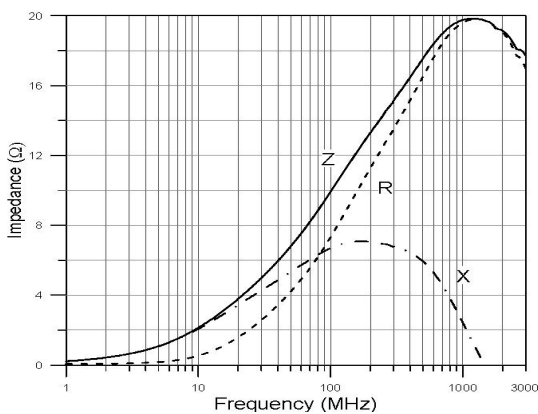
1. MTBS Series (Size: 0603 (0201))

Electrical Characteristics

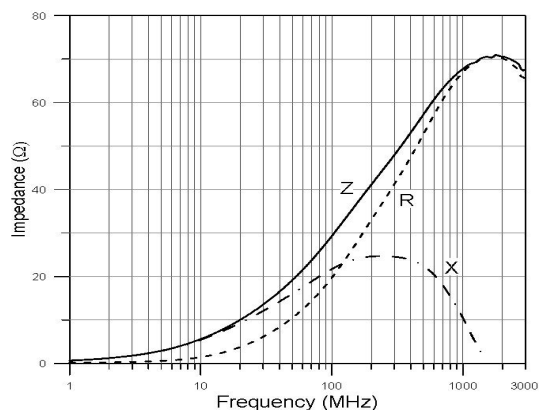
Part No.	Impedance () $\pm 25\%$ (100MHz, 500mV)	DC Resistance (Max.)	Rated Current mA (Max.)
MTBS060303A100	10	0.10	500
MTBS060303A300	30	0.30	300
MTBS060303A400	40	0.30	300
MTBS060303A500	50	0.30	300
MTBS060303A600	60	0.35	300
MTBS060303A700	70	0.35	300
MTBS060303A121	120	0.45	200
MTBS060303A151	150	0.50	200
MTBS060303A221	220	0.75	200
MTBS060303A241	240	0.80	200
MTBS060303A301	300	0.90	150
MTBS060303A331	330	0.90	150
MTBS060303A471	470	1.50	100
MTBS060303A601	600	1.50	100
MTBS060303A102	1000	2.50	100

Rating Curves

MTBS060303A100



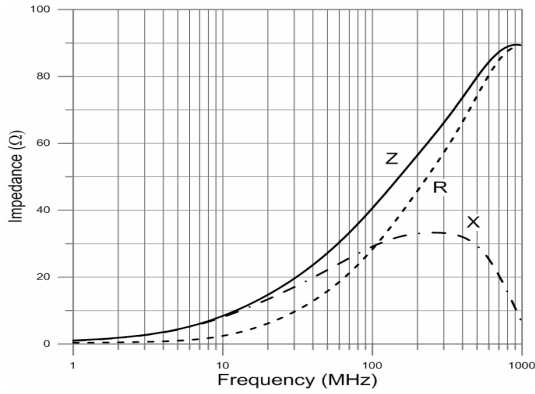
MTBS060303A300



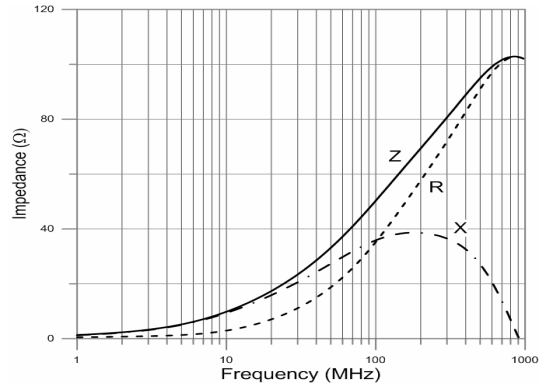
1. MTBS Series (Size: 0603 (0201))

Rating Curves (Cont'd)

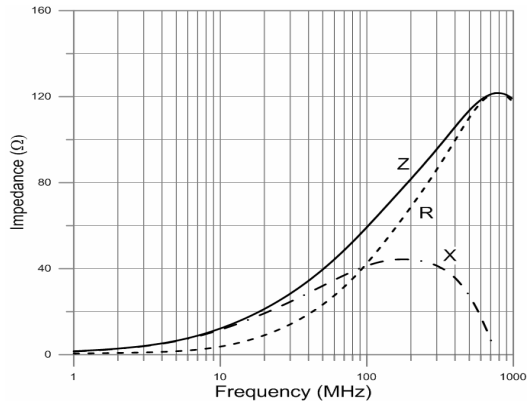
MTBS060303A400



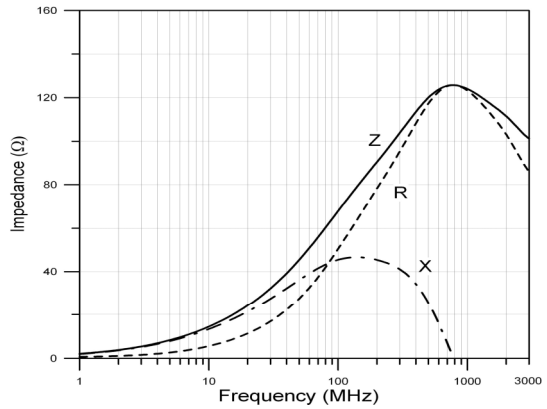
MTBS060303A500



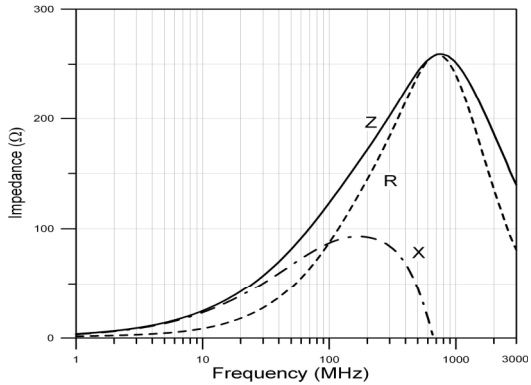
MTBS060303A600



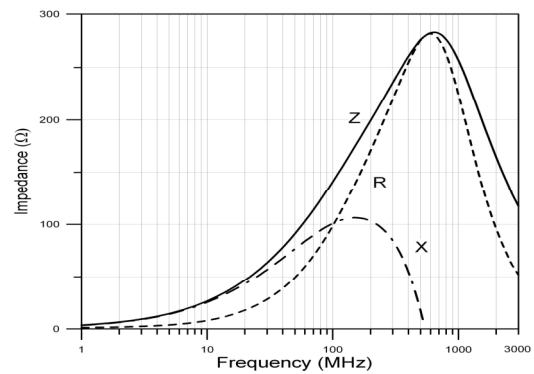
MTBS060303A700



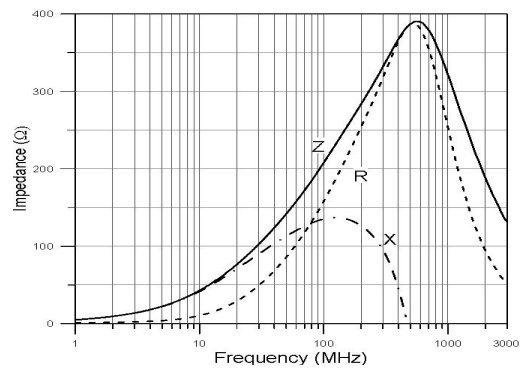
MTBS060303A121



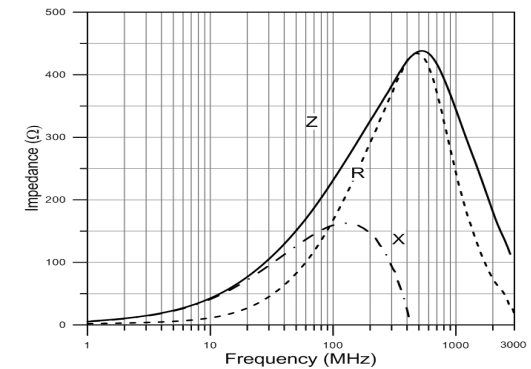
MTBS060303A151



MTBS060303A221



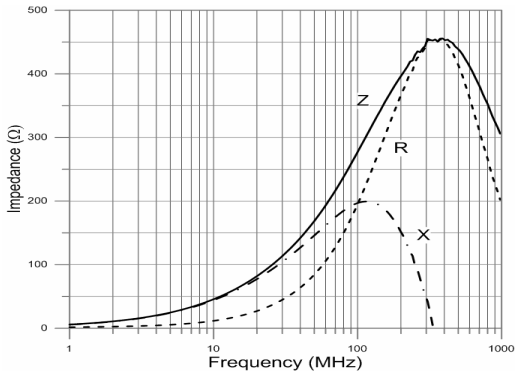
MTBS060303A241



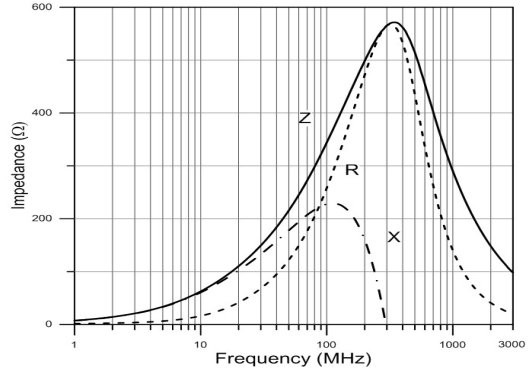
1. MTBS Series (Size: 0603 (0201))

Rating Curves (Cont'd)

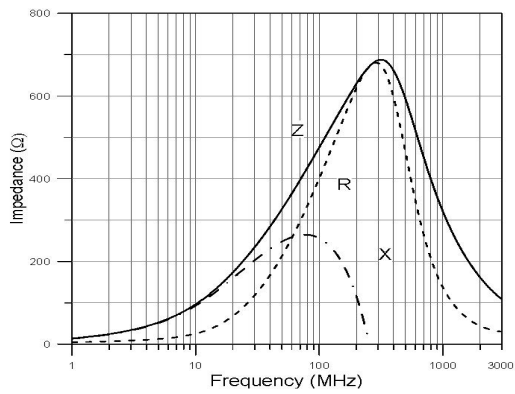
MTBS060303A301



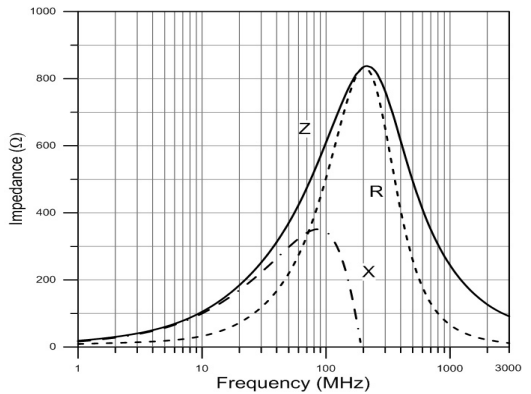
MTBS060303A331



MTBS060303A471



MTBS060303A601



MTBS060303A102

