

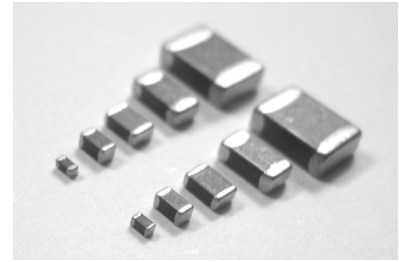
## 1. MTBS Series

Range of Size: (0603(0201)~4532(1812))

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.

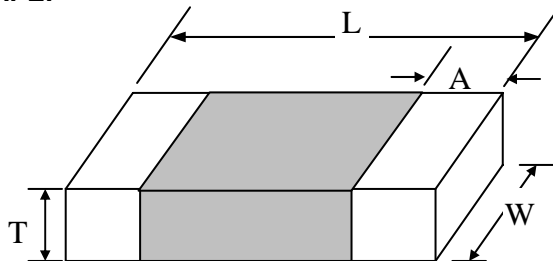


### Features

- > 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.

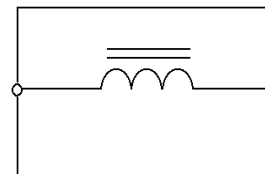
### General Dimensions and Configuration

SHAPE:



Unit: mm

EQUIVALENT CIRCUIT DIAGRAM:



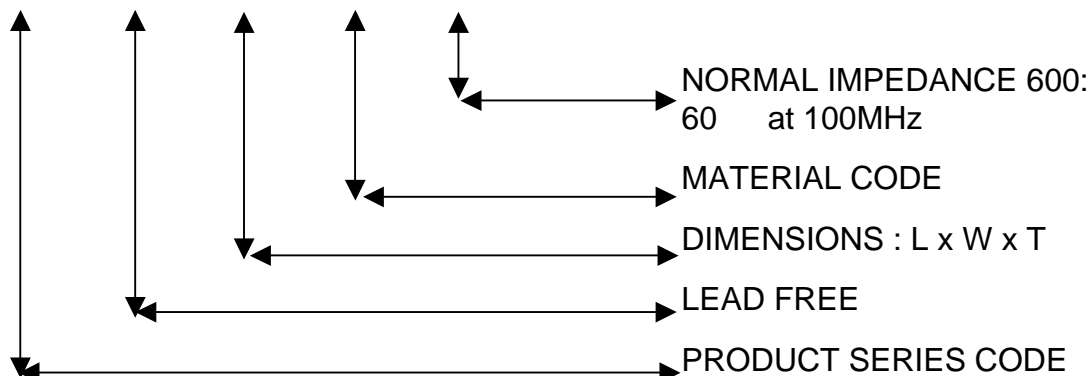
•No directionality

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
322513(1210)	3.20±0.20	2.50±0.20	1.30±0.20	0.60~1.00	52.00
451616(1806)	4.50±0.20	1.60±0.20	1.60±0.20	0.60~1.00	56.20
453215(1812)	4.50±0.20	3.20±0.20	1.50±0.20	0.60~1.00	100.40

### Part Numbering Systems

MTB S 451616 A 600



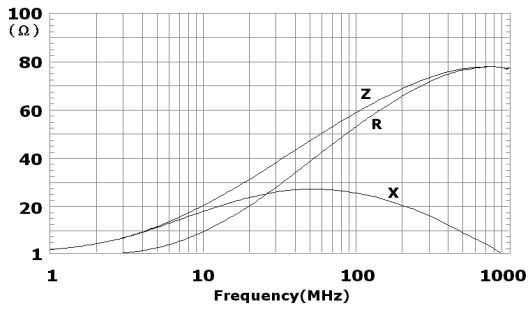
1. MTBS Series (Size: 4516 (1806))

Electrical Characteristics

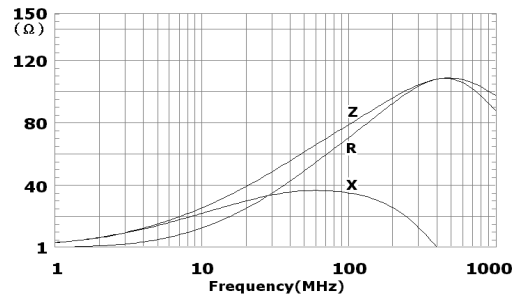
Part No.	Impedance ( ) $\pm 25\%$ (100MHz, 500mV)	DC Resistance (Max.)	Rated Current mA (Max.)
MTBS451616A600	60	0.20	500
MTBS451616A800	80	0.30	400
MTBS451616A101	100	0.30	400
MTBS451616A151	150	0.50	200

Rating Curves

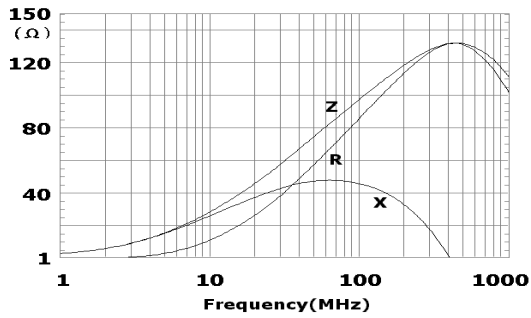
MTBS451616A600



MTBS451616A800



MTBS451616A101



MTBS451616A151

