

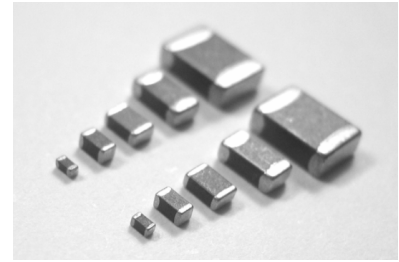
3. KTBS Series

Range of Size: (1608(0603)~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.

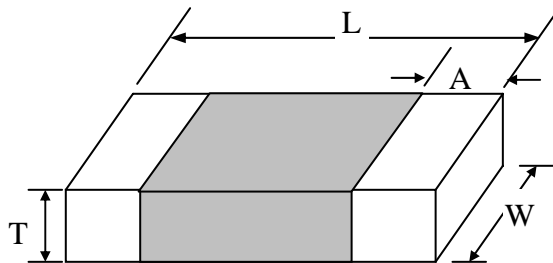


Features

- > The KTBS series can be used on high current circuits due to its low DC resistance. It can match power lines to a maximum of 6A DC.
- > Application on high current DC power line EMI suppress, i.e. Hard drives, modems, motherboards, printer, monitors etc.
- > 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:

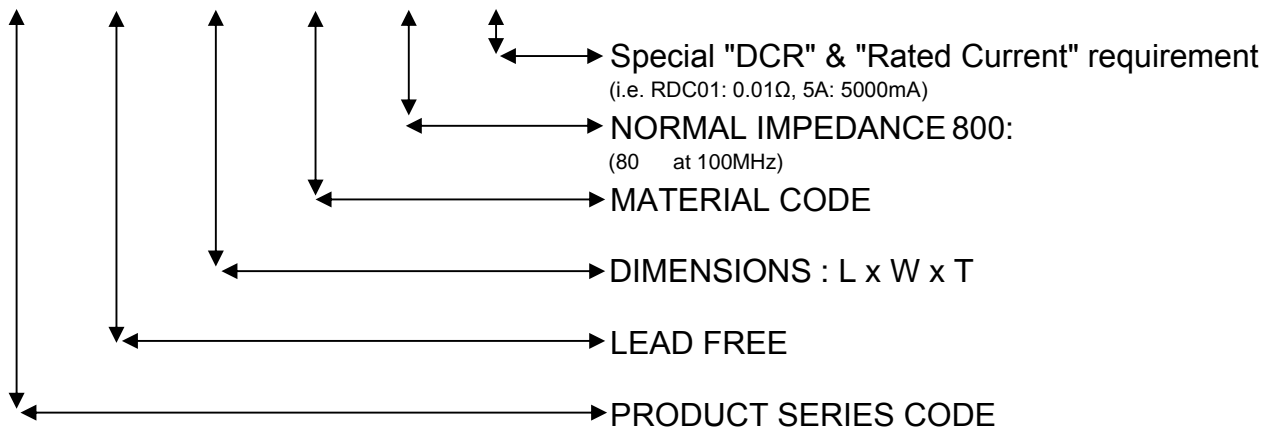


DIMENSIONS:

SHAPE	L (m/m)	W (m/m)	T (m/m)	A (m/m)	Net Weight (mg)
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

KTB S 201209 A 800 5A RDC01



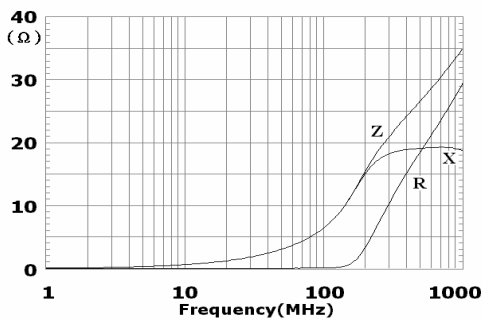
3. KTBS Series (Size: 2012 (0805))

Electrical Characteristics

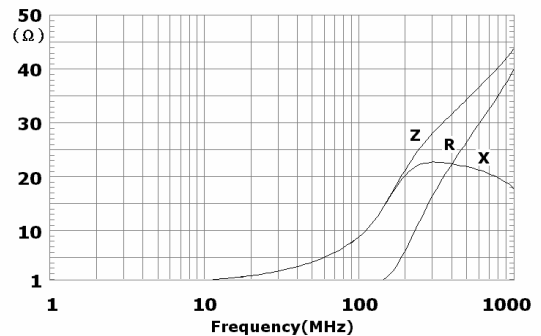
Part No.	Impedance () $\pm 25\%$ (100MHz, 500mV)	DC Resistance (Max.)	Rated Current mA (Max.)
KTBS201209H070	7	0.008	6000
KTBS201209H110	11	0.008	6000
KTBS201209A170	17	0.008	6000
KTBS201209A300	30	0.008	6000
KTBS201209A390	39	0.008	6000
KTBS201209A600 RDC02	60	0.020	4000
KTBS201209A800 5A RDC01	80	0.010	5000
KTBS201209A121 4A RDC02	120	0.020	4000

Rating Curves

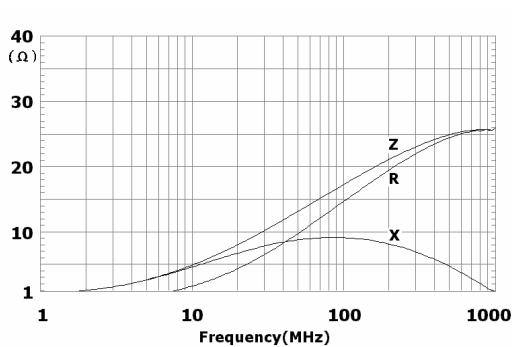
KTBS201209H070



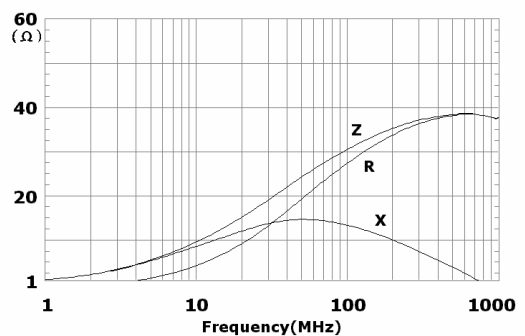
KTBS201209H110



KTBS201209A170



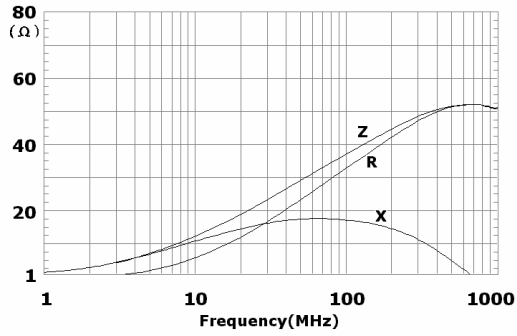
KTBS201209A300



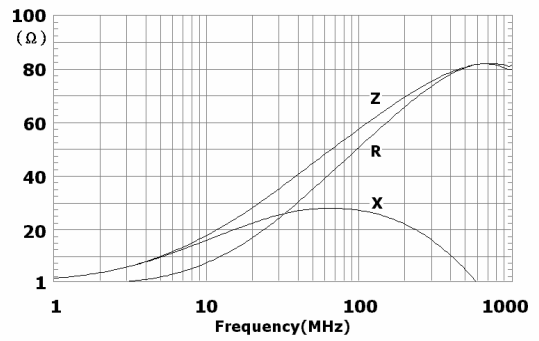
3. KTBS Series (Size: 2012 (0805))

Rating Curves (Cont'd)

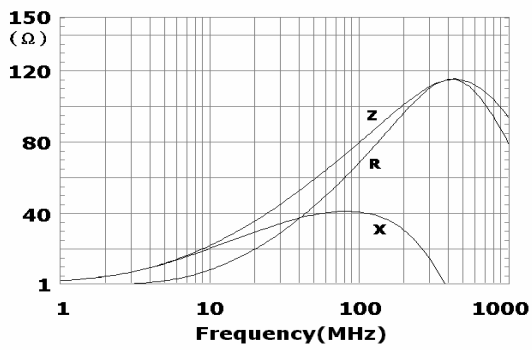
KTBS201209A390



KTBS201209A600 RDC02



KTBS201209A800 5A RDC01



KTBS201209A121 4A RDC02

