

## ◆ FEATURES

- **Minimizes Attenuation**  
B-series chip beads can effectively minimize attenuation due to their sharp impedance characteristics.
- **Minimizes Crosstalk**  
B-series chip beads effectively minimize crosstalk due to its magnetically shielded structure.
- **Effective EMI Protection**  
B-series chip beads have a monolithic inorganic material construction that minimizes the effect of electromagnetic interference.
- **Multiple Size Availability**  
B-series chip beads are available in six compact sizes: 100505, 160808, 201209, 321611.

## ◆ APPLICATIONS

**B-series chip beads can be used in a variety of electronics including:**

- Computers
- Computer Peripherals
- Pagers
- Cellular Equipment
- Wireless Communicate Devices
- Digital Televisions
- Digital Cameras
- Audio/Visual Equipment

## ◆ OPERATING TEMPERATURE

SMB-100505 : -55 ~ 125°C

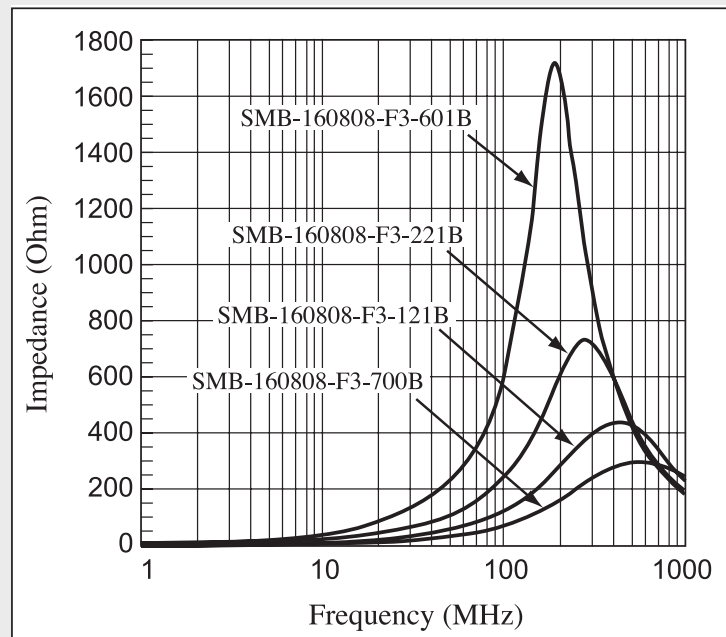
OTHER: -40 ~ 85°C

## ◆ TEST EQUIPMENTS AND TEST SETUP

**Z** by Agilent E4991A RF Impedance Analyzer with HP16197A Test Fixture.

**DCR** by milli-ohm meter.

**Typical electrical characteristic curves for the SMB B-series chip beads. The B-series has a sharp high frequency characteristic that is effective in high-speed applications.**

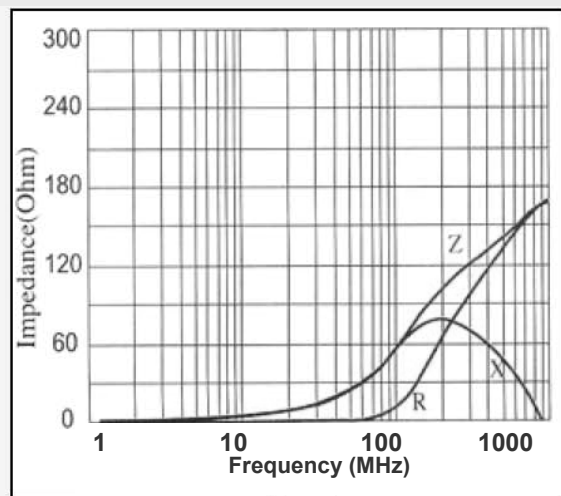


◆ PRODUCT SPECIFICATIONS

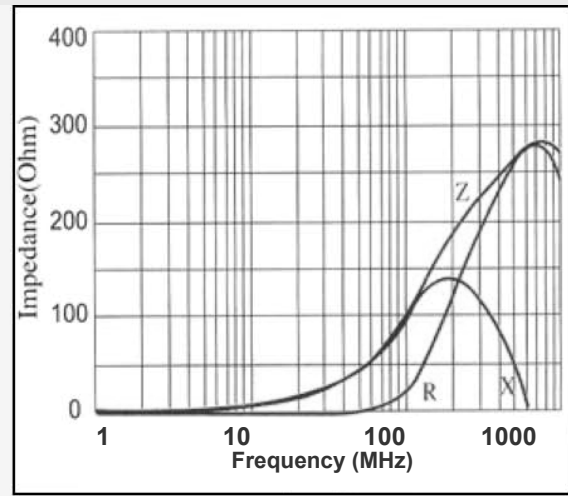
PART NO.	Impedance ( $\Omega$ ) at 100 MHz	DC Resistance ( $\Omega$ ) Max.	Rated Current (mA) Max.
SMB-100505-F3-600B	60 $\pm$ 25%	0.35	200
SMB-100505-F3-121B	120 $\pm$ 25%	0.50	150
SMB-100505-F3-301B	300 $\pm$ 25%	0.80	100

◆ TYPICAL ELECTRICAL CHARACTERISTIC CURVES

SMB-100505-F3-600B



SMB-100505-F3-121B



SMB-100505-F3-301B

