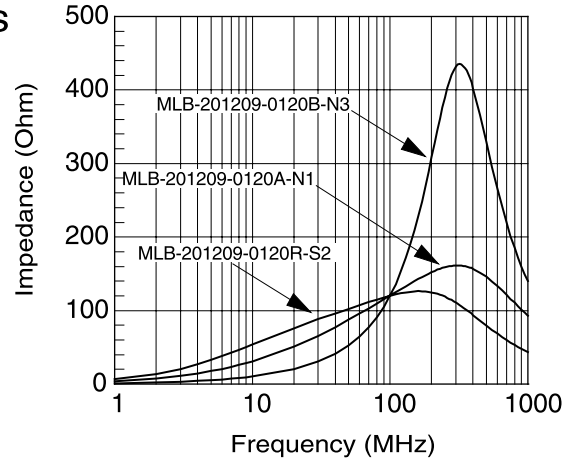
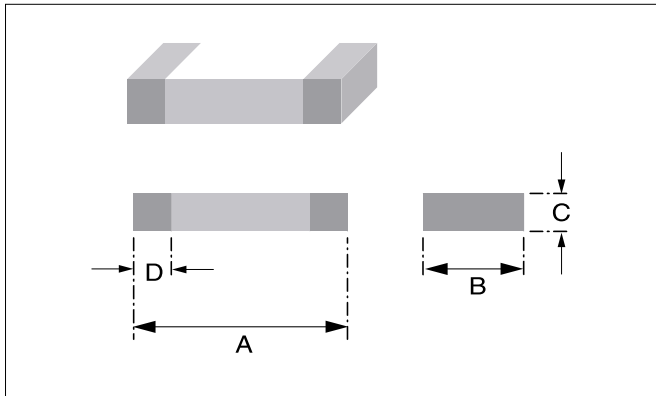


**TYPICAL ELECTRICAL CHARACTERISTIC CURVES**

Typical electrical characteristic curves for the MLB R-series, A-series, and B-series chip beads. The B-series has sharp high frequency characteristics, while the A-series and R-series are effective over a wider frequency range.



**PRODUCT DIMENSIONS**



**PRODUCT IDENTIFICATION**

① ② ③ ④ ⑤ ⑥  
 MLB - 160808 - 0120 A - N4

- ① Product Code
- ② Dimensions (in mm)
- ③ Impedance (at 100 MHz)
- ④ Series Type
- ⑤ Design Code
- ⑥ Pattern Code

PRODUCT NO.	A	B	C	D
MLB-453215 (1812)	4.5 ± 0.20 (0.177 ± 0.008)	3.2 ± 0.20 (0.126 ± 0.008)	1.5 ± 0.20 (0.059 ± 0.008)	0.5 ± 0.30 (0.020 ± 0.008)
MLB-451616 (1806)	4.5 ± 0.20 (0.177 ± 0.008)	1.6 ± 0.20 (0.063 ± 0.008)	1.6 ± 0.20 (0.063 ± 0.008)	0.5 ± 0.30 (0.020 ± 0.008)
MLB-322513 (1210)	3.2 ± 0.20 (0.126 ± 0.008)	2.5 ± 0.20 (0.098 ± 0.008)	1.3 ± 0.20 (0.051 ± 0.008)	0.5 ± 0.30 (0.020 ± 0.012)
MLB-321616 (1206)	3.2 ± 0.20 (0.126 ± 0.008)	1.6 ± 0.20 (0.063 ± 0.008)	1.6 ± 0.20 (0.063 ± 0.008)	0.5 ± 0.30 (0.020 ± 0.012)
MLB-321611 (1206)	3.2 ± 0.20 (0.126 ± 0.008)	1.6 ± 0.20 (0.063 ± 0.008)	1.1 ± 0.20 (0.043 ± 0.008)	0.5 ± 0.30 (0.020 ± 0.012)
MLB-201209 (0805)	2.0 ± 0.20 (0.079 ± 0.008)	1.2 ± 0.20 (0.047 ± 0.008)	0.9 ± 0.20 (0.035 ± 0.008)	0.5 ± 0.30 (0.020 ± 0.012)
MLB-160808 (0603)	1.6 ± 0.15 (0.063 ± 0.006)	0.8 ± 0.15 (0.031 ± 0.006)	0.8 ± 0.15 (0.031 ± 0.006)	0.3 ± 0.20 (0.012 ± 0.008)
MLB-100505 (0402)	1.0 ± 0.10 (0.039 ± 0.004)	0.5 ± 0.10 (0.019 ± 0.004)	0.5 ± 0.10 (0.019 ± 0.004)	0.25 ± 0.10 (0.0095 ± 0.004)

NOTE: Dimension in mm (inch)

MULTILAYER CHIP BEADS