

Ferrite Chip Bead(Lead Free)

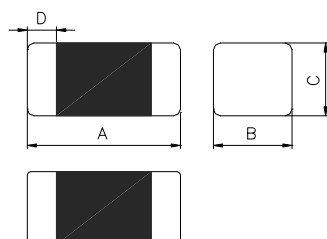
MB31-Series

1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. S.M.T. type.
4. Suitable for reflow soldering.
5. Shapes and dimensions follow E.I.A. spec.
6. Available in various sizes.
7. Excellent solder ability and heat resistance.
8. High reliability.
9. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
10. Operating Temperature: -55~+125℃ (Including self-temperature rise)



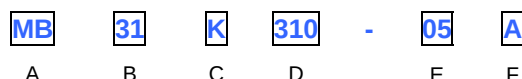
2. Dimensions



Chip Size	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

Units: mm

3. Part Numbering



A: Series

B: Dimension

C: Material

D: Impedance

E: Rated Current

F: Category Code

Lead Free Material

310=31Ω

05=500mA

4. Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
MB31K310-05A	31±25%	100	0.20	500
MB31K500-05A	50±25%	100	0.20	500
MB31K121-09A	120±25%	100	0.15	900
MB31K221-07A	220±25%	100	0.35	700
MB31K301-07A	300±25%	100	0.35	700
MB31K601-04A	600±25%	100	0.40	400

● Rated current: based on temperature rise test

● In compliance with EIA 595

Impedance Frequency Characteristics(Typical)

