

High Current Ferrite Chip Bead(Lead Free)

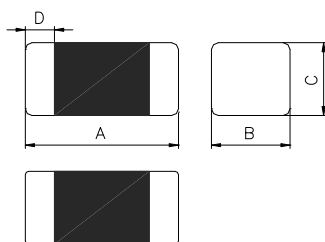
MBP31-Series

1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. Suitable for reflow soldering.
4. Shapes and dimensions follow E.I.A. spec.
5. Available in various sizes.
6. Excellent solder ability and heat resistance.
7. High reliability.
8. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
9. Low DC resistance structure of electrode to prevent wasteful electric power consumption.
10. Operating Temperature: -55~+125°C (Including self-temperature rise)



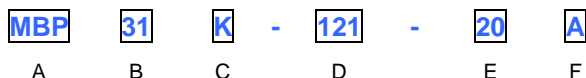
2. Dimensions



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 Lead Free Material
- D: Impedance 121=120Ω
- E: Rated Current 20=2000mA
- F: Category Code

4. Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
MBP31K300-30A	30±25%	100	0.04	3000
MBP31K600-30A	60±25%	100	0.04	3000
MBP31K121-20A	120±25%	100	0.10	2000
MBP31K221-20A	220±25%	100	0.10	2000
MBP31K301-10A	300±25%	100	0.20	1000
MBP31K601-20A	600±25%	100	0.10	2000

- Rated current: based on temperature rise test
- In compliance with EIA 595

Impedance Frequency Characteristics(Typical)

