

# High Current Ferrite Chip Bead(Lead Free)

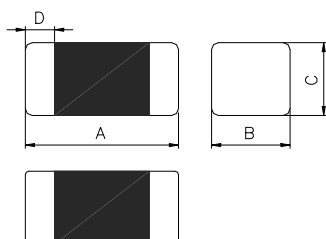
HCB3216KV-500T40

## 1.Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit to 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. Reliability test complied with AEC-Q200.
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~+150°C(Including self-temperature rise).



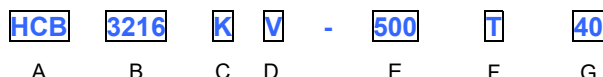
## 2.Dimensions



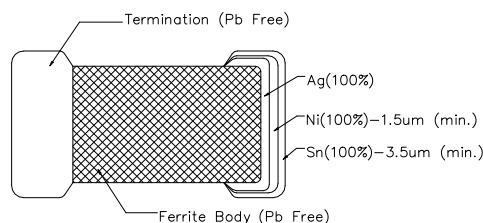
Chip Size	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

Units: mm

## 3.Part Numbering



- A: Series
  - B: Dimension L x W
  - C: Material Lead Free Material
  - D: Category Code V=Vehicle
  - E: Impedance F: 500=50Ω
  - F: Packaging T=Taping and Reel, B=Bulk(Bags)
  - G: Rated Current 40=4000mA
- Anti-static packaging

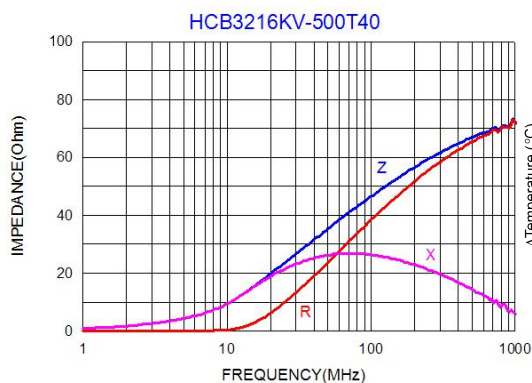


## 4.Specification

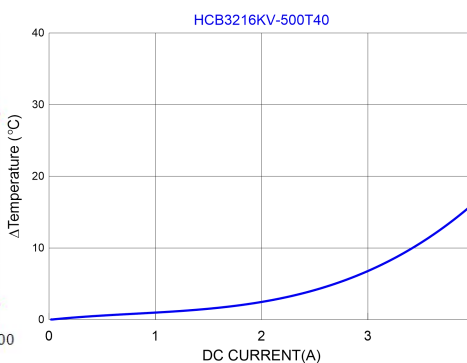
Tai-Tech Part Number	Impedance (Ω)	Test Frequency (Hz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB3216KV-500T40	50±25%	60mV/100M	0.03	4000

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

### Impedance-Frequency Characteristics



### Temperature Characteristics



IDC(A)	CORE TEMP (°C)	ΔT (°C)
0.0	24.6	0.0
1.0	25.5	0.9
2.0	27.2	2.6
3.0	31.3	6.7
4.0	40.9	16.3