

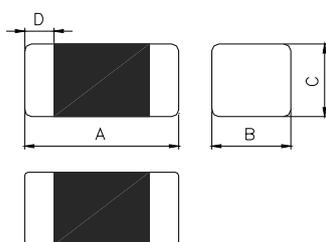
# High Current Ferrite Chip Bead(Lead Free) HCB2012KV-SERIES-HD

## 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. Reliability test meet 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	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

Units: mm

## 3.Part Numbering

**HCB** **2012** **K** **V** - **121** **T** **20** - **HD**

A B C D

E F G H

A: Series

B: Dimension

C: Material

D: Category Code

E: Impedance

F: Packaging

G: Rated Current

H: Category Code

L x W

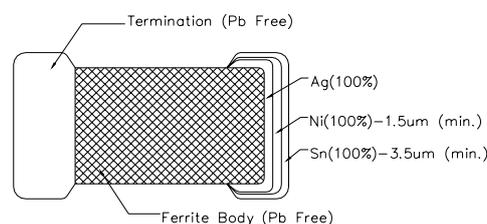
Lead Free Material

V=Vehicle

121=120Ω

T=Taping and Reel, B=Bulk(Bags)

20=2000mA



## 4.Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB2012KV-300T30-HD	30±25%	100	0.04	3000
HCB2012KV-800T30-HD	80±25%	100	0.04	3000
HCB2012KV-121T20-HD	120±25%	100	0.10	2000
HCB2012KV-151T20-HD	150±25%	100	0.10	2000
HCB2012KV-221T20-HD	220±25%	100	0.10	2000
HCB2012KV-301T10-HD	300±25%	100	0.20	1000
HCB2012KV-601T10-HD	600±25%	100	0.20	1000

● Rated current: based on temperature rise test

● In compliance with EIA 595

## Impedance Frequency Characteristics(Typical)

