

# Ferrite Chip Bead(Lead Free)

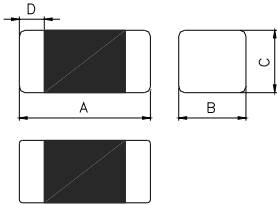
TCMF1005KV-SERIES

## 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. Reliability test meet AEC-Q200.
9. 100% Lead(Pb)-Free & Halogen-Free and RoHS compliant.
10. Operating Temperature : -55~+150°C (Including self-temperature rise)



## 2.Dimensions



Chip Size	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

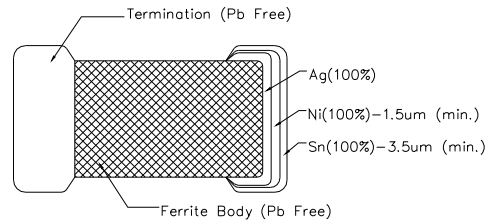
Units: mm

## 3.Part Numbering



- A: Series
- B: Dimension
- C: Material
- D: Category Code
- E: Impedance
- F: Packaging
- G: Rated Current

- L x W
- Lead Free Material
- V=Vehicle
- 121=120Ω
- T=Taping and Reel, B=Bulk(Bags)
- 01=100mA
- Anti-static packaging



## 4.Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
TCMF1005KV-300T03	30±25%	100	0.20	300
TCMF1005KV-600T03	60±25%	100	0.25	300
TCMF1005KV-121T01	120±25%	100	0.30	100
TCMF1005KV-151T01	150±25%	100	0.30	100
TCMF1005KV-221T01	220±25%	100	0.40	100
TCMF1005KV-221T03	220±25%	100	0.40	300
TCMF1005KV-301T01	300±25%	100	0.50	100
TCMF1005KV-471T01	470±25%	100	0.65	100
TCMF1005KV-601T00	600±25%	100	0.80	80
TCMF1005KV-601T05	600±25%	100	0.80	500
TCMF1005KV-102T00	1000±25%	100	1.20	50
TCMF1005KV-102T04	1000±25%	100	1.20	400

- Rated current: based on temperature rise test
- In compliance with EIA 595
- All test data referenced to 25°C ambient

### Impedance Frequency Characteristics(Typical)

