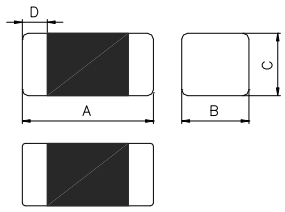
Ferrite Chip Bead(Lead Free)

FCM3216_O-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

FCM	3216	K	O	-	121	T	09
A	B	C	D		E	F	G

A: Series
B: Dimension L x W
C: Material Lead Free Material
D: Category Code O=Industrial Grade
E: Impedance 121=120Ω
F: Packaging T=Taping and Reel
G: Rated Current 09=900mA

4. Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM3216KO-310T05	31±25%	100	0.20	500
FCM3216KO-500T05	50±25%	100	0.20	500
FCM3216KO-700T05	70±25%	100	0.20	500
FCM3216KO-121T09	120±25%	100	0.15	900
FCM3216KO-301T07	300±25%	100	0.35	700
FCM3216KO-601T04	600±25%	100	0.40	400

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

Impedance Frequency Characteristics(Typical)

