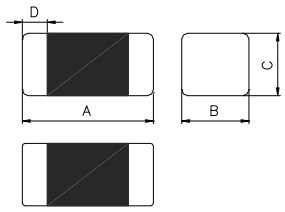
Ferrite Chip Bead(Lead Free)

FCM1005_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	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

3. Part Numbering

FCM	1005	K	O	-	121	T	01
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 01=100mA

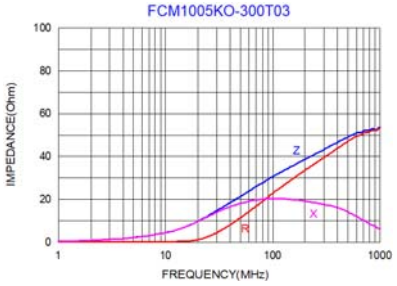
4. Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1005KO-300T03	30±25%	100	0.20	300
FCM1005KO-600T03	60±25%	100	0.25	300
FCM1005KO-121T01	120±25%	100	0.30	100
FCM1005KO-221T01	220±25%	100	0.40	100
FCM1005KO-301T01	300±25%	100	0.50	100
FCM1005KO-601T00	600±25%	100	0.80	80
FCM1005KO-102T00	1000±25%	100	1.20	50
FCM1005MO-600T01	60±25%	100	0.30	100
FCM1005MO-121T00	120±25%	100	0.45	80
FCM1005MO-221T00	220±25%	100	0.60	50
FCM1005MO-301T00	300±25%	100	0.75	50

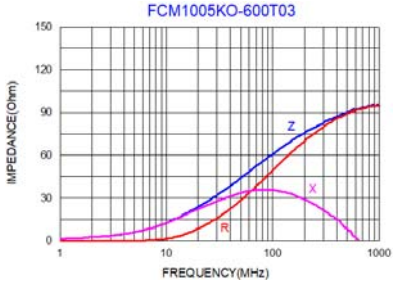
- Rated current: based on temperature rise test
- In compliance with EIA 595
- All test data referenced to 25℃ ambient

Impedance Frequency Characteristics(Typical)

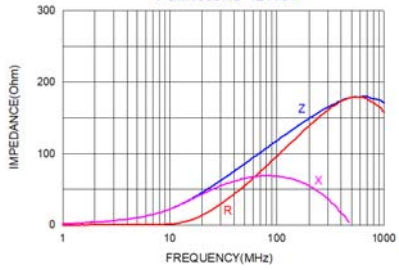
FCM1005KO-300T03



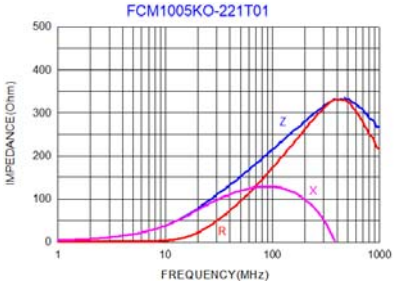
FCM1005KO-600T03



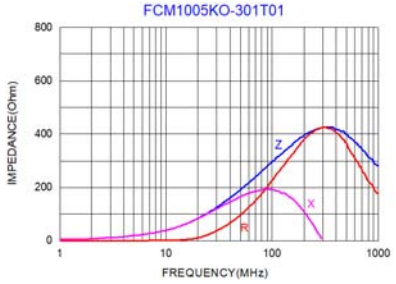
FCM1005KO-121T01



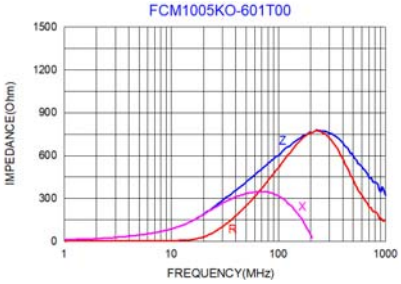
FCM1005KO-221T01



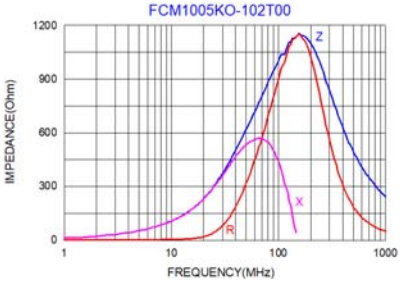
FCM1005KO-301T01



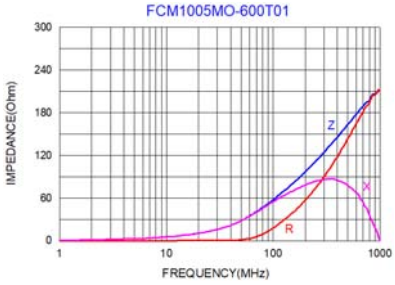
FCM1005KO-601T00



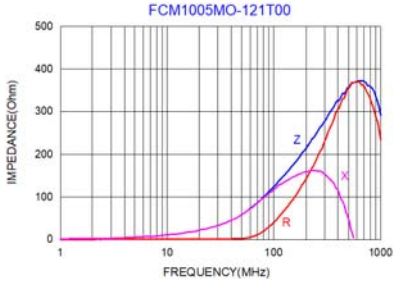
FCM1005KO-102T00



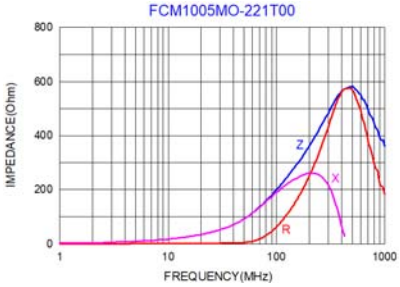
FCM1005MO-600T01



FCM1005MO-121T00



FCM1005MO-221T00



FCM1005MO-301T00

