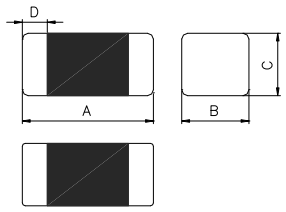
Ferrite Chip Bead(Lead Free)

FCM2012_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	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

Units: mm

3. Part Numbering

FCM	2012	K	O	-	121	T	08
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 08=800mA

4. Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KO-110T09	11±25%	100	0.10	900
FCM2012KO-170T06	17±25%	100	0.10	600
FCM2012KO-260T06	26±25%	100	0.10	600
FCM2012KO-300T06	30±25%	100	0.10	600
FCM2012KO-400T06	40±25%	100	0.10	600
FCM2012KO-600T09	60±25%	100	0.10	900
FCM2012KO-121T08	120±25%	100	0.20	800
FCM2012KO-151T08	150±25%	100	0.20	800
FCM2012KO-221T07	220±25%	100	0.30	750
FCM2012KO-301T07	300±25%	100	0.30	700
FCM2012KO-601T05	600±25%	100	0.40	500

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KO-102T04	1000±25%	100	0.45	400
FCM2012HO-102T04	1000±25%	100	0.45	400
FCM2012HO-152T03	1500±25%	100	0.50	350
FCM2012HO-202T02	2000±25%	100	0.60	250

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

Impedance Frequency Characteristics(Typical)

