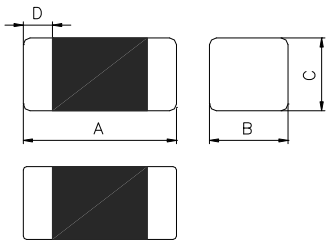
Ferrite Chip Bead(Lead Free)

FCM2012-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 solderability 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	1.25±0.20
D	0.50±0.30	

Units: mm

3. Part Numbering

FCM	2012	KF	-	121	T	08
A	B	C		D	E	F

A: Series
B: Dimension L x W
C: Material Lead Free Material
D: Impedance 121=120Ω
E: Packaging T=Taping and Reel, B=Bulk(Bags)
F: Rated Current 08=800mA

4. Specification

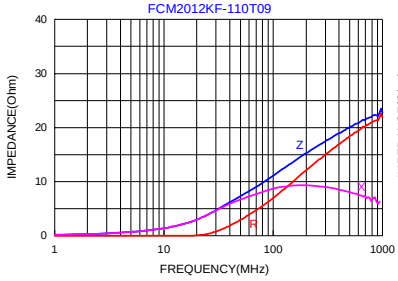
Tai-Tech Part Number	Thickness C size (mm)	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KF-110T09	0.85±0.20	11±25%	100	0.10	900
FCM2012KF-170T06	0.85±0.20	17±25%	100	0.10	600
FCM2012KF-260T06	0.85±0.20	26±25%	100	0.10	600
FCM2012KF-300T06	0.85±0.20	30±25%	100	0.10	600
FCM2012KF-400T06	0.85±0.20	40±25%	100	0.10	600
FCM2012KF-600T09	0.85±0.20	60±25%	100	0.10	900
FCM2012KF-121T08	0.85±0.20	120±25%	100	0.20	800
FCM2012KF-151T08	0.85±0.20	150±25%	100	0.20	800
FCM2012KF-221T07	0.85±0.20	220±25%	100	0.30	750
FCM2012KF-301T07	0.85±0.20	300±25%	100	0.30	700
FCM2012KF-471T07	0.85±0.20	470±25%	100	0.35	700
FCM2012KF-601T05	0.85±0.20	600±25%	100	0.40	500
FCM2012KF-102T04	0.85±0.20	1000±25%	100	0.45	400

Tai-Tech Part Number	Thickness C size (mm)	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012HF-102T04	0.85±0.20	1000±25%	100	0.45	400
FCM2012HF-152T03	0.85±0.20	1500±25%	100	0.50	350
FCM2012HF-202T02	0.85±0.20	2000±25%	100	0.60	250
FCM2012NF-070T06	0.85±0.20	7±25%	100	0.10	600
FCM2012CF-121T06	0.85±0.20	120±25%	100	0.25	600
FCM2012CF-221T04	0.85±0.20	220±25%	100	0.30	400
FCM2012CF-301T04	0.85±0.20	300±25%	100	0.35	400

- Rated current: based on temperature rise test
- In compliance with EIA 595

Impedance Frequency Characteristics(Typical)

FCM2012KF-110T09



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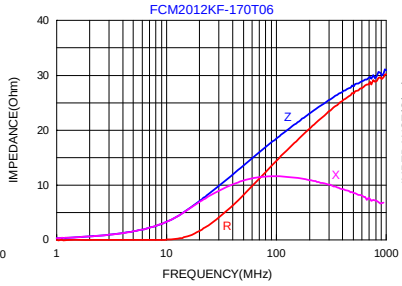

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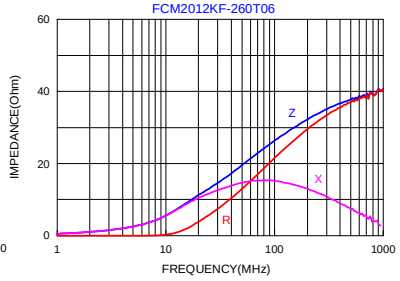

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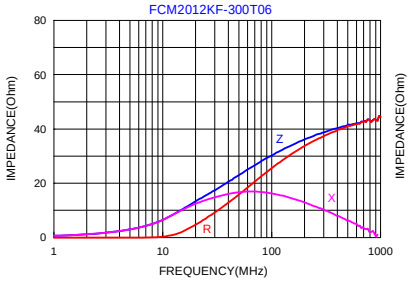

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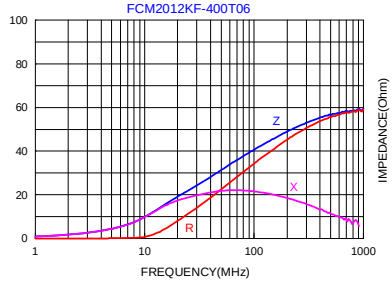

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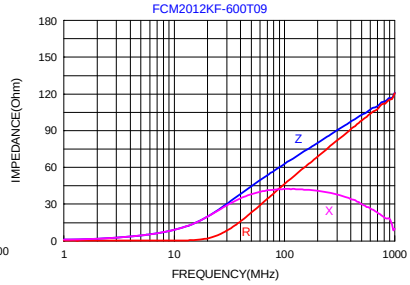

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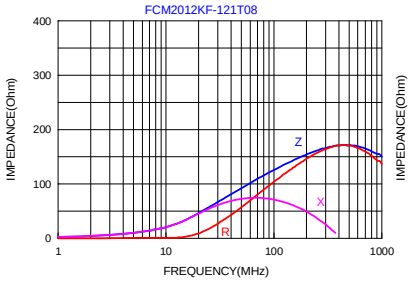

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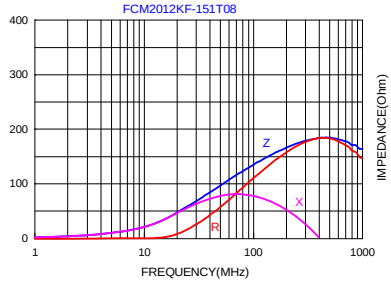

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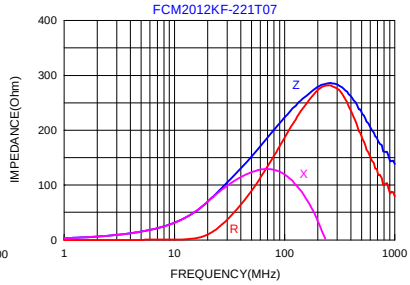

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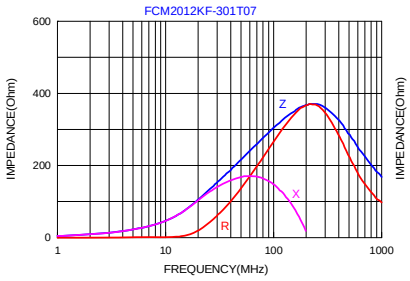

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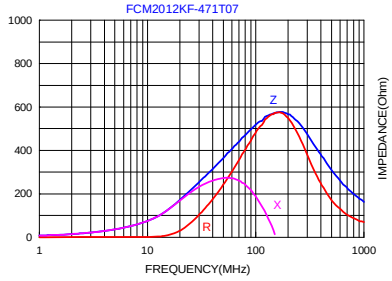

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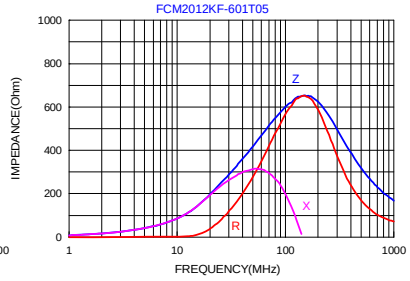

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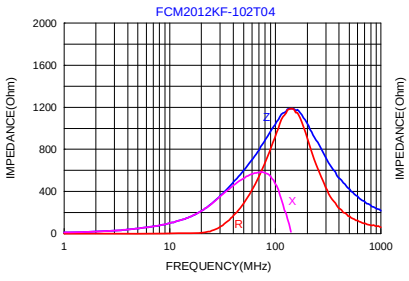

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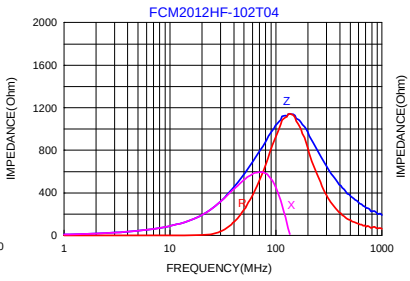

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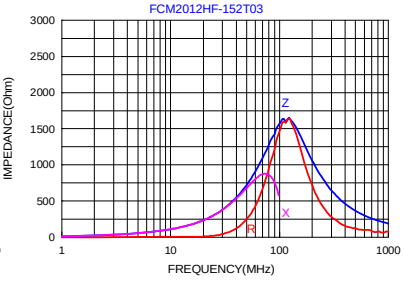
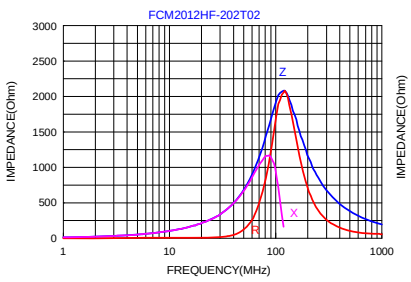
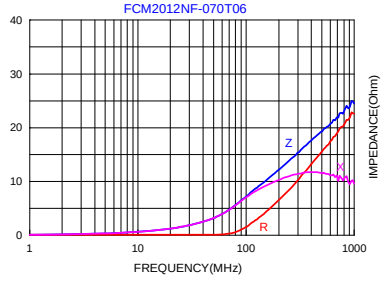


FCM2012HF-202T02



FCM2012NF-070T06



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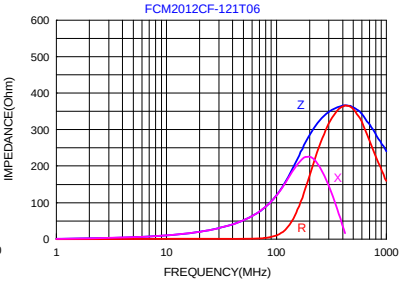

Impedance Frequency Characteristics(Typical)