

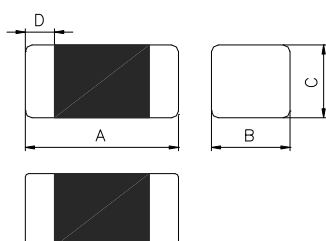
## 1. Features

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°C (Including self-temperature rise)



Certificate  
of  
Green Partner

## 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



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

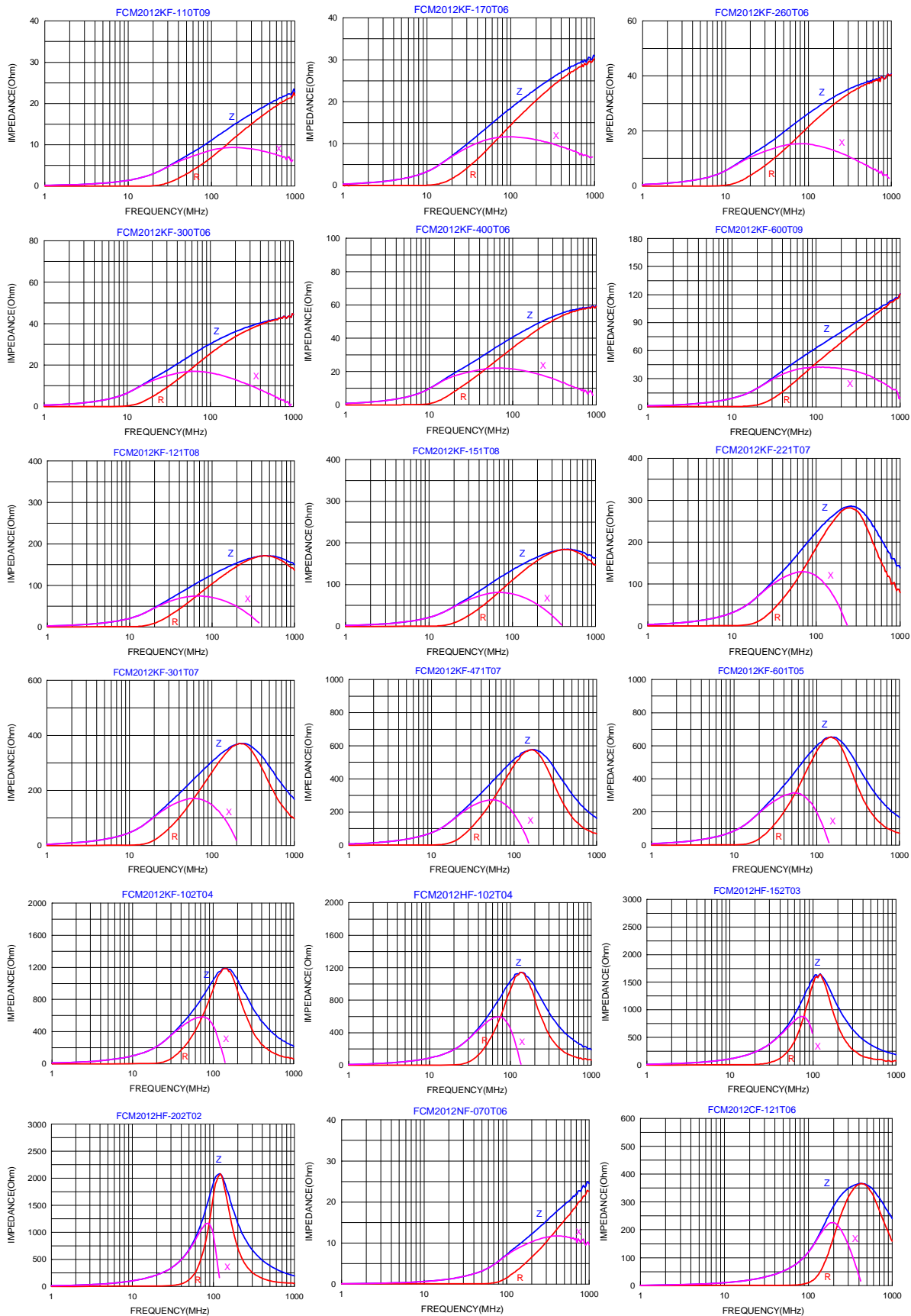
## 4. Specification

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 ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) 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)



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