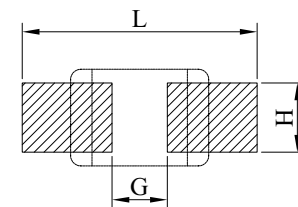
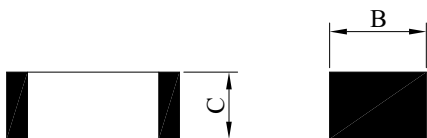
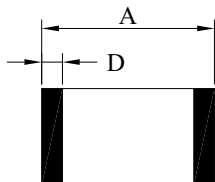


# SPECIFICATION FOR APPROVAL

Product Name	FERRITE CHIP BEADS (High Impedance General Usage) (LEAD FREE)	Page	1
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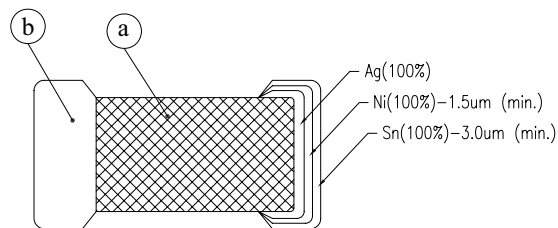
## 1. CONFIGURATION & DIMENSIONS :



- A : 2.00± 0.20 m/m
- B : 1.25± 0.20 m/m
- C : 0.85± 0.20 m/m
- D : 0.50± 0.30 m/m
- G : 1.00 REF m/m
- H : 1.00 REF m/m
- L : 3.00 REF m/m

PCB PATTERN

## 2. SCHEMATIC DIAGRAM :



## 3. MATERIALS :

NO.	DESCRIPTION	SPECIFICATION	REMARK
a.	BODY	FERRITE	
b.	TERMINATION	Ag / Ni / Sn	

## 4. GENERAL SPECIFICATION :

- a. TEMP. RISE : 30° C MAX.
- b. RATED CURRENT : BASE ON TEMP. RISE
- c. STORAGE TEMP. : -55° C ----+125° C
- d. OPERATING TEMP. : -55° C----+125° C
- e. RESISTANCE TO SOLDER HEAT : 260° C.10 SECS.



**RoHS Compliant**



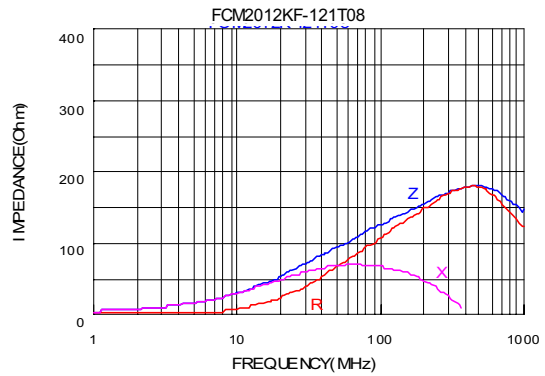
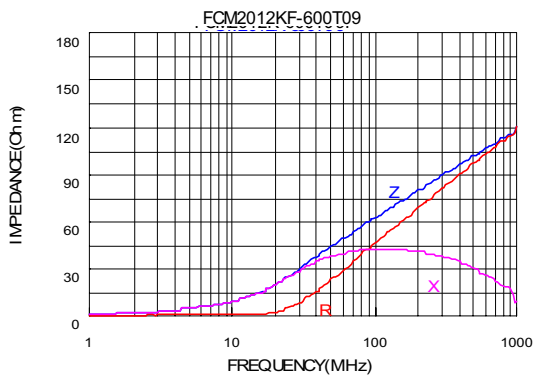
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## 5. ELECTRICAL CHARACTERISTICS :

Part Number	EIA Size	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) MAX.	Rated Current (mA) MAX.
FCM2012KF-600T09	0805	60 $\pm$ 25%	100	0.10	900
FCM2012KF-121T08	0805	120 $\pm$ 25%	100	0.20	800
FCM2012KF-151T08	0805	150 $\pm$ 25%	100	0.20	800
FCM2012KF-221T07	0805	220 $\pm$ 25%	100	0.30	750
FCM2012KF-301T07	0805	300 $\pm$ 25%	100	0.30	700
FCM2012KF-471T07	0805	470 $\pm$ 25%	100	0.35	700
FCM2012KF-601T05	0805	600 $\pm$ 25%	100	0.40	500
FCM2012KF-801T04	0805	800 $\pm$ 25%	100	0.40	450
FCM2012KF-102T04	0805	1000 $\pm$ 25%	100	0.45	400
FCM2012HF-102T04	0805	1000 $\pm$ 25%	100	0.45	400
FCM2012HF-152T03	0805	1500 $\pm$ 25%	100	0.50	350
FCM2012HF-202T02	0805	2000 $\pm$ 25%	100	0.60	250
FCM2012HF-232T02	0805	2300 $\pm$ 25%	100	0.80	200
FCM2012HF-272T01	0805	2700 $\pm$ 25%	100	1.10	150

## 6. IMPEDANCE Vs FREQUENCY CURVE :



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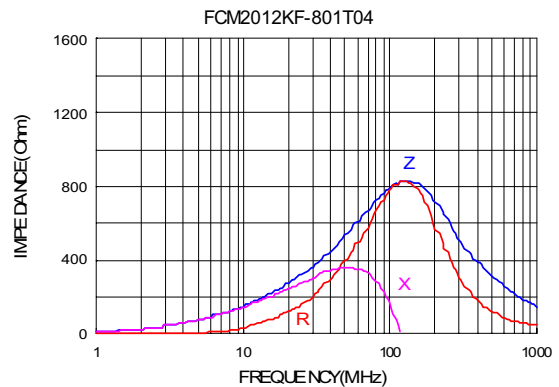
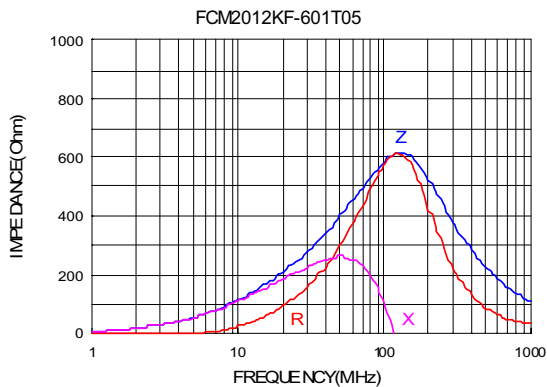
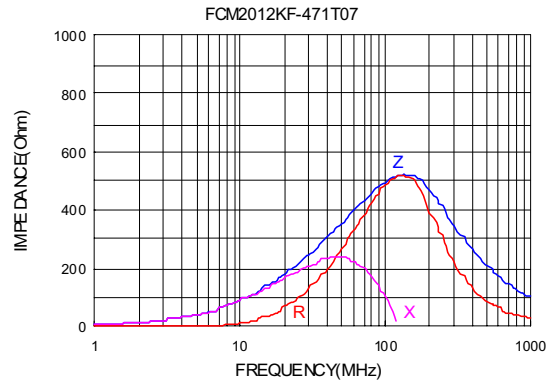
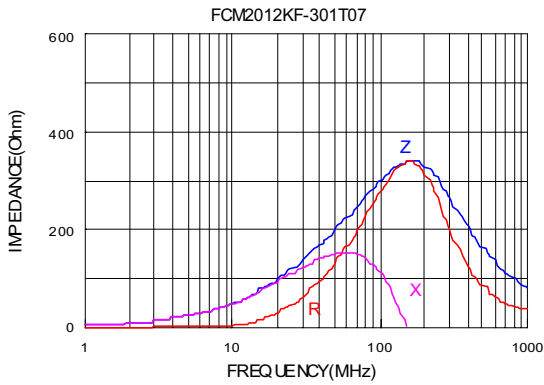
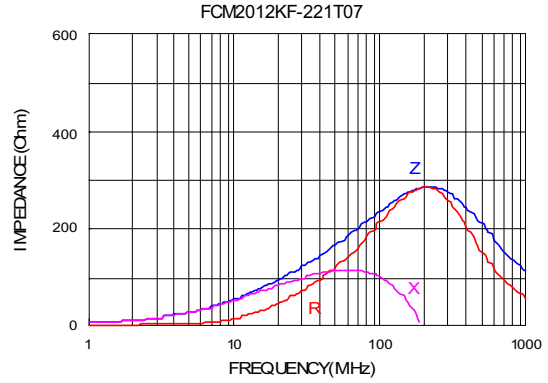
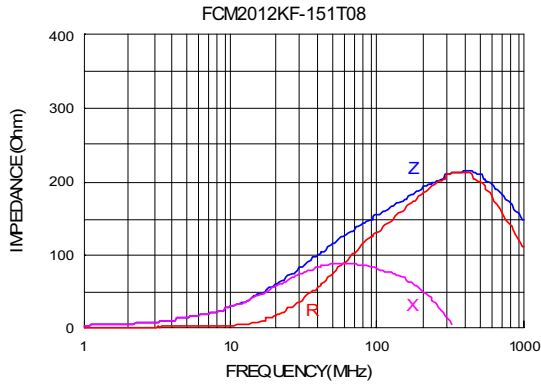


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## 6. IMPEDANCE Vs FREQUENCY CURVE :



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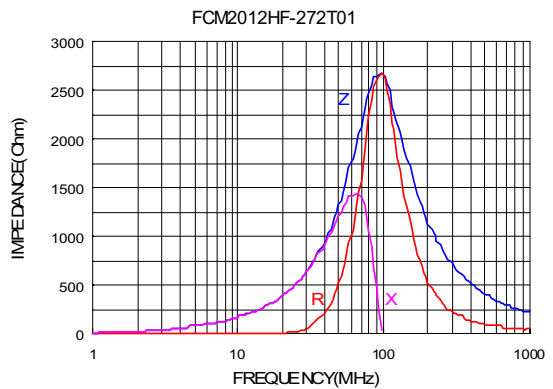
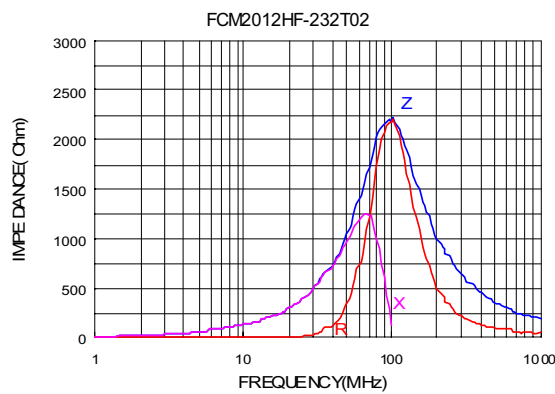
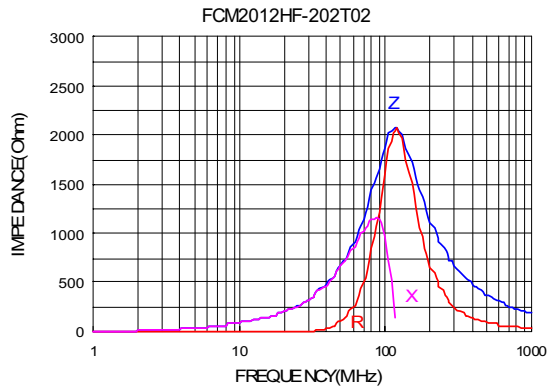
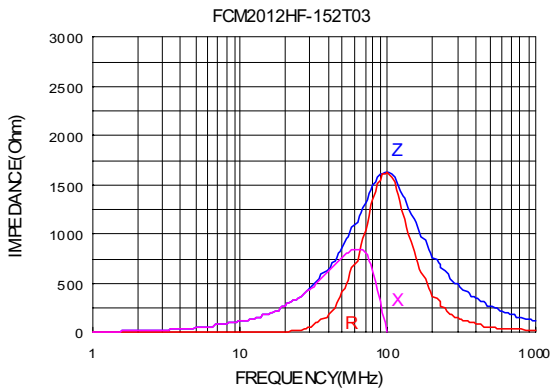
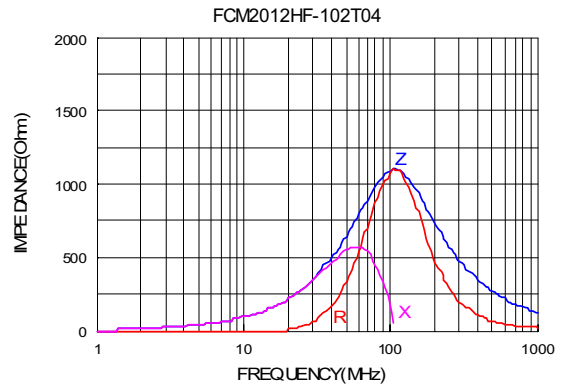
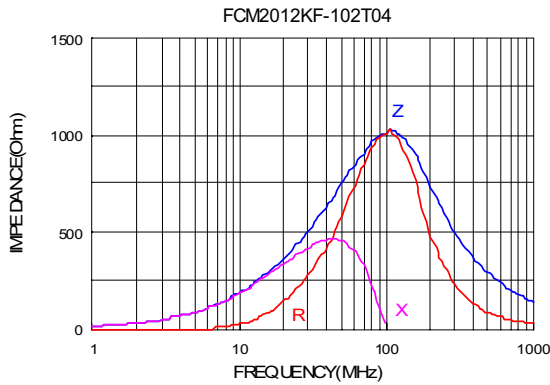


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## 6. IMPEDANCE VS FREQUENCY CURVE :



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