

On-Board Type EMI Suppression Filters

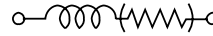


Ferrite Chip Bead FCB,FCM1005/1608/2012/3216/3225/4516/4532 Series

FCB/FCM Series



Equivalent Circuit Diagram



(Resistance element becomes dominant at high frequency)

Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. S.M.T. type.
4. Suitable for flow and 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. The products contain no lead and also support lead-free soldering.

Applications

Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers and other computer peripheral products.
Suitable for I/O ports, DC power lines and signal lines, and general circuits with unstable ground.

Lead Free Part Numbering



- A : Series
- B : Dimension A x B
- C : Material Lead Free
- D : Lead Free Code
- E : Impedance 601=600Ω
- F : Packaging T=Taping and Reel, B=Bulk(Bags)
- G : Rated Current 02=200mA

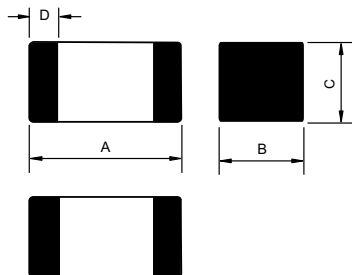
● 特徵

1. 單石無機材料結構。
2. 封閉磁路避免干擾。
3. 表面黏著型式。
4. 適合一般焊接及迴焊。
5. 形狀及尺寸符合E.I.A.規格。
6. 不同尺寸可供選擇。
7. 良好的焊錫性及耐熱性。
8. 高可靠度。
9. 產品無鉛適合無鉛錫。

● 應用

個人電腦、通訊設備、數位電話、電子遊戲機、陰極射線管、硬式磁碟機、行動電話、個人數位助理、列表機和其他電腦周邊設備。
適合接地不穩定之輸入/輸出埠、直流電源線、訊號線及一般電路。

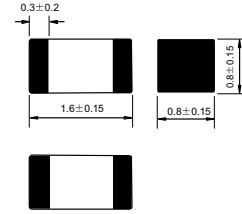
Dimensions



Chip size				
Size	A(mm)	B(mm)	C(mm)	D(mm)
1005	1.0±0.1	0.5±0.1	0.5±0.1	0.25±0.1
1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
2012	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.3
3216	3.2±0.2	1.6±0.2	1.1±0.2	0.5±0.3
3225	3.2±0.2	2.5±0.2	1.3±0.2	0.5±0.3
4516	4.5±0.2	1.6±0.2	1.6±0.2	0.5±0.3
4532	4.5±0.2	3.2±0.2	1.5±0.2	0.5±0.3

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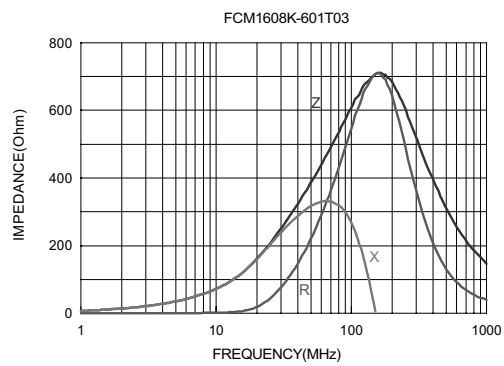
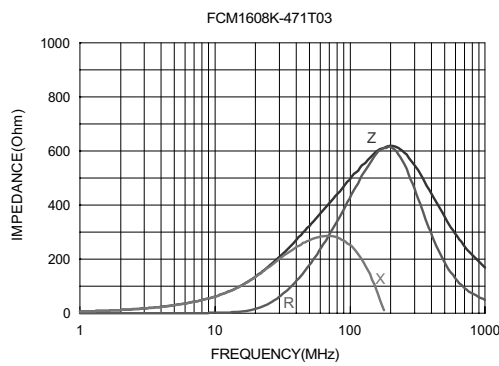
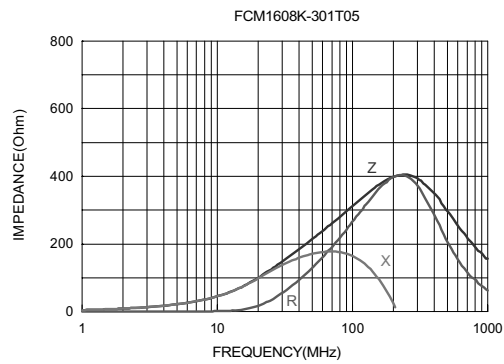
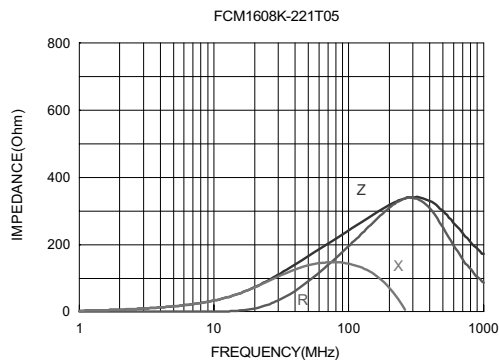
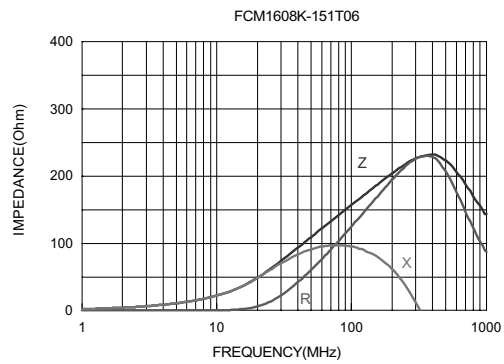
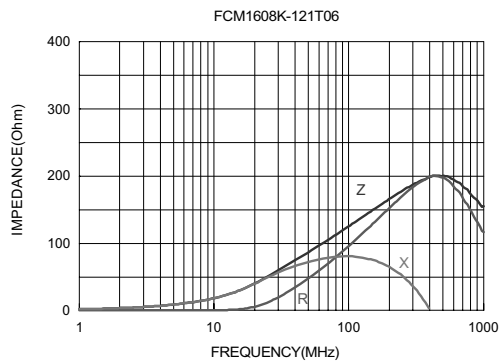
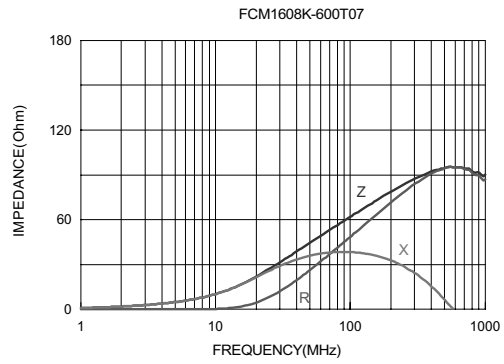
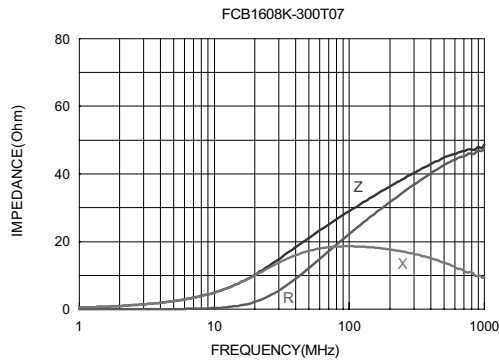
■ **FCB/FCM1608 Series**



Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ohm) max.
FCB1608K-300T07	30±25%	100	700	0.2
FCM1608K-600T07	60±25%	100	700	0.2
FCM1608K-121T06	120±25%	100	600	0.25
FCM1608K-151T06	150±25%	100	600	0.25
FCM1608K-221T05	220±25%	100	550	0.30
FCM1608K-301T05	300±25%	100	500	0.35
FCM1608K-471T03	470±25%	100	350	0.45
FCM1608K-601T03	600±25%	100	350	0.50
FCM1608K-102T02	1000±25%	100	200	0.70
FCM1608H-152T02	1500±25%	100	200	1.0
FCM1608H-202T01	2000±25%	100	150	1.2
FCB1608C-100T07	10±25%	100	700	0.2
FCM1608C-300T06	30±25%	100	600	0.25
FCM1608C-600T06	60±25%	100	600	0.30
FCM1608C-121T03	120±25%	100	300	0.40
FCM1608C-151T03	150±25%	100	300	0.40
FCM1608C-221T02	220±25%	100	250	0.60
FCM1608C-301T02	300±25%	100	200	0.80
FCM1608C-471T02	470±25%	100	200	0.85
FCM1608C-601T01	600±25%	100	150	1.20
FCM1608C-102T00	1000±25%	100	80	1.50
FCM1608W-121T03	120±25%	100	300	0.25
FCM1608W-151T02	150±25%	100	250	0.30
FCM1608W-221T02	220±25%	100	200	0.35
FCM1608W-301T02	300±25%	100	250	0.45
FCM1608W-471T02	470±25%	100	200	0.55
FCM1608W-601T02	600±25%	100	200	0.70
FCM1608W-801T01	800±25%	100	100	0.80
FCM1608W-102T01	1000±25%	100	100	0.90

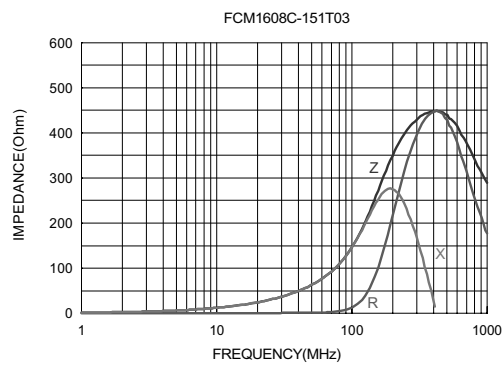
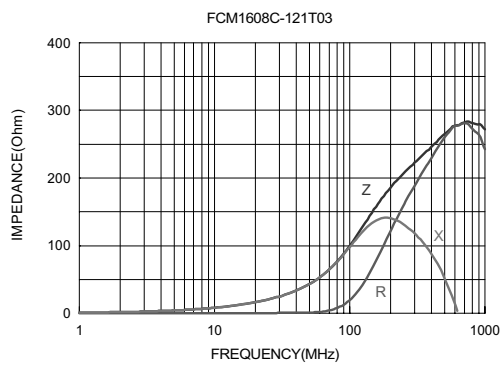
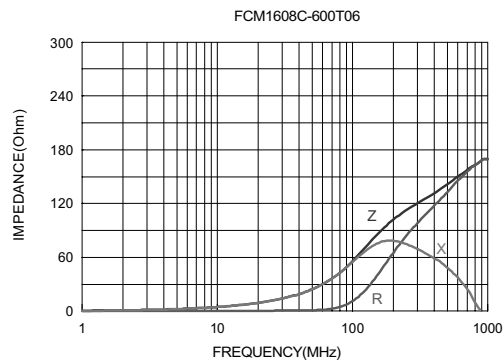
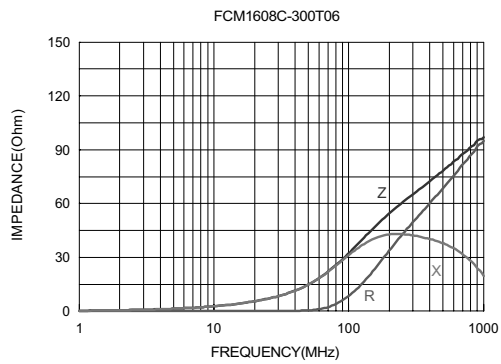
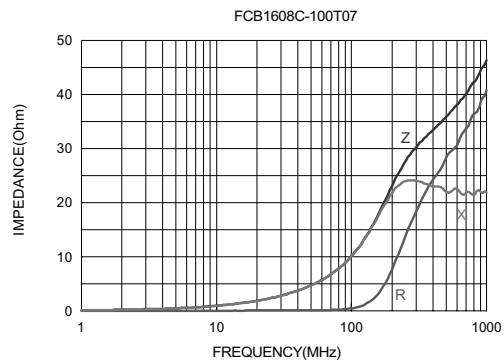
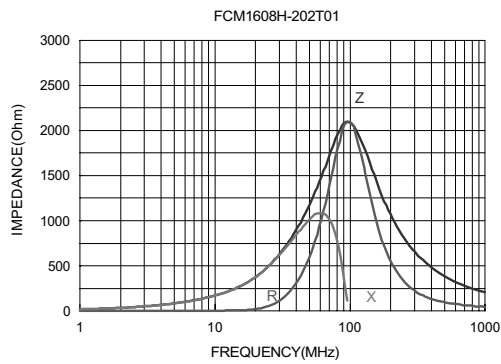
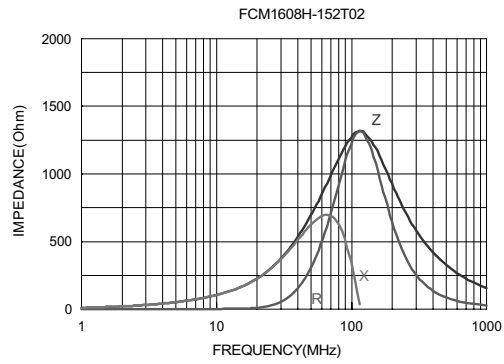
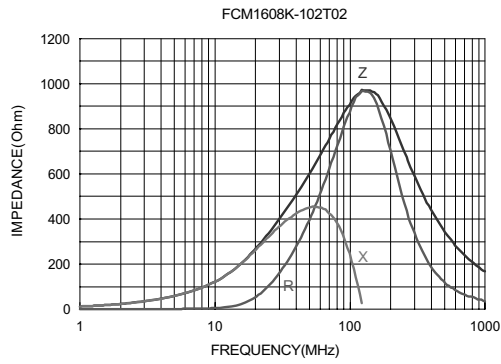
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■ Typical Impedance v.s. Frequency Curve



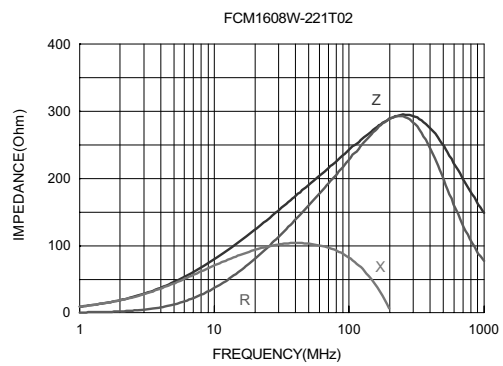
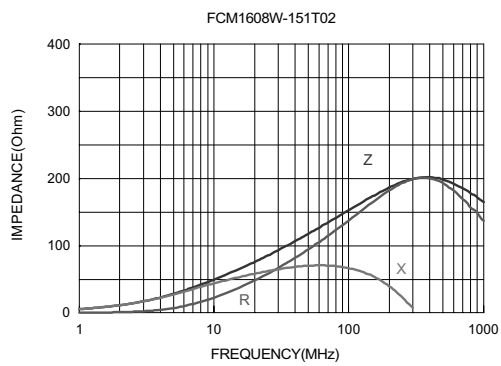
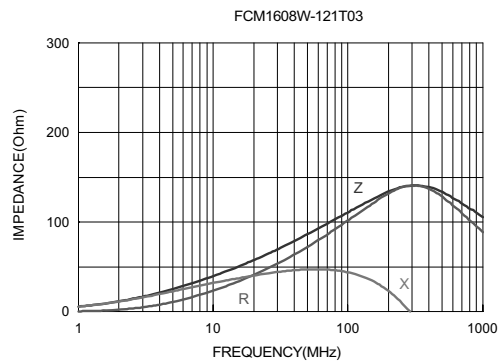
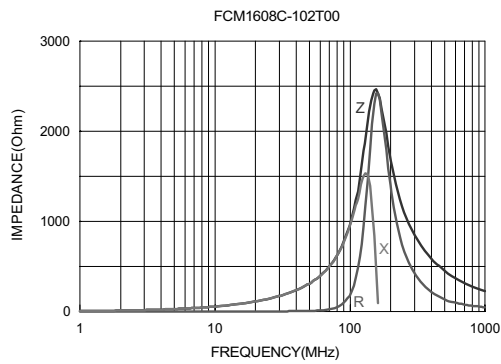
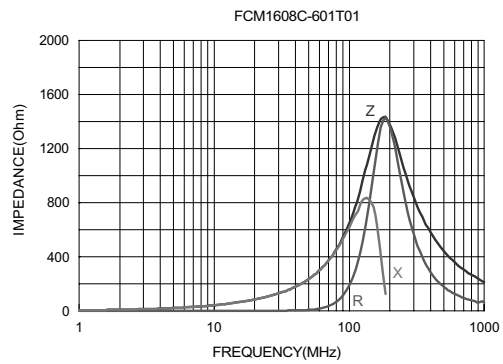
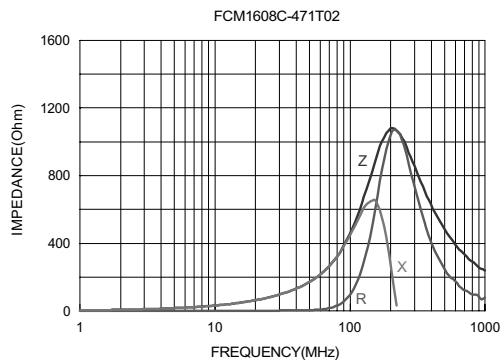
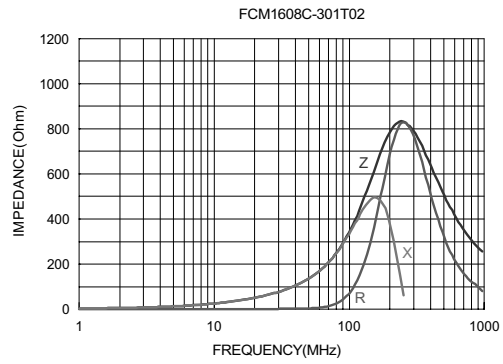
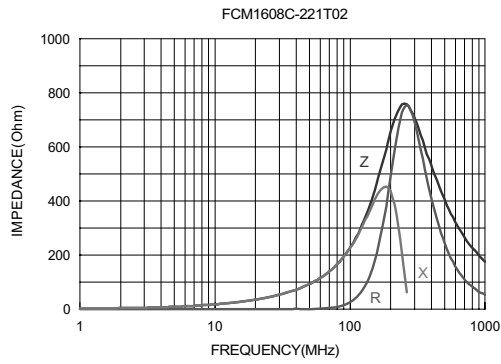
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