

On-Board Type EMI Suppression Filters



Ferrite Chip bead Array FCA2010/3216 Series

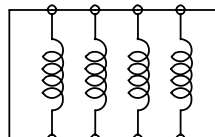
FCA Series

Ferrite Chip Bead Array Provides Compact, Cost Effective EMI Filtering for Densely Packed PCB Designs.

鐵氧磁體晶片陣列磁珠為高密度之印刷電路板設計提供小型、具成本效益的EMI濾波方案。



Equivalent Circuit Diagram



Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. excellent solderability and heat resistance.
4. High reliability with high insulation resistance of $>100M\Omega$
5. The products contain no lead and also support lead-free soldering.

Applications

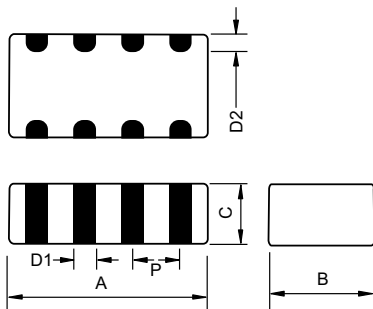
Noise elimination for four I/O lines of notebook PCs, digital TVs and VTRs, printers, hard disk drives, personal computers and other general consumer and computers products.

Lead Free Part Numbering

FCA 3216 K F 4 - 601 T 02
 A B C D E F G H

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

Dimensions



特徵

1. 單石無機材料結構。
2. 封閉磁路避免干擾。
3. 良好的焊錫性及耐熱性。
4. 高可靠度，絕緣阻抗達100M 歐姆以上。
5. 產品無鉛適合無鉛錫。

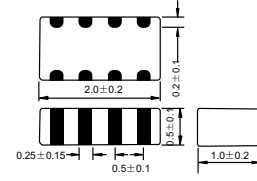
應用

筆記型電腦、數位電視、數位錄放影機、列表機、硬式磁碟機、個人電腦和其他一般消費性及電腦產品上輸入/輸出線路之雜訊消除。

Chip size						
Size	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	P(mm)
2010	2.0±0.2	1.0±0.2	0.5±0.1	0.25±0.15	0.2±0.1	0.5±0.1
3216	3.2±0.2	1.6±0.2	0.9±0.2	0.4±0.15	0.2±0.1	0.8±0.1

- All the data listed in this catalogue are for reference only, TAI-TECH reserves the right to alter or revise the specifications without prior notification.

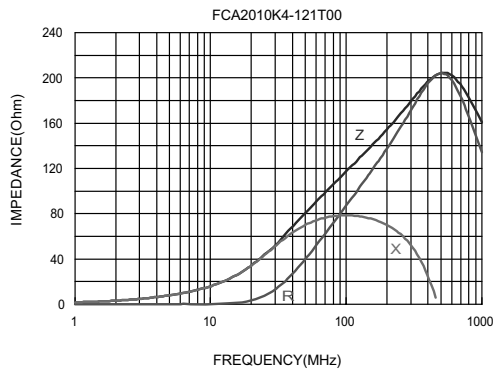
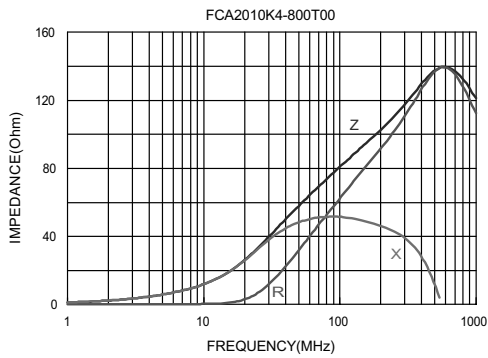
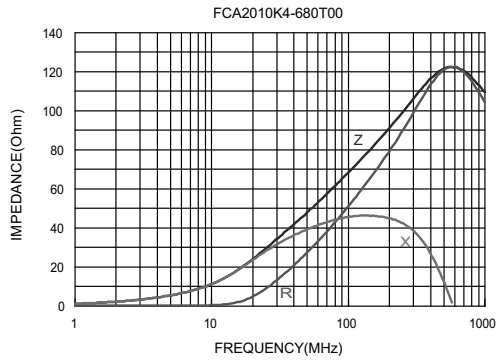
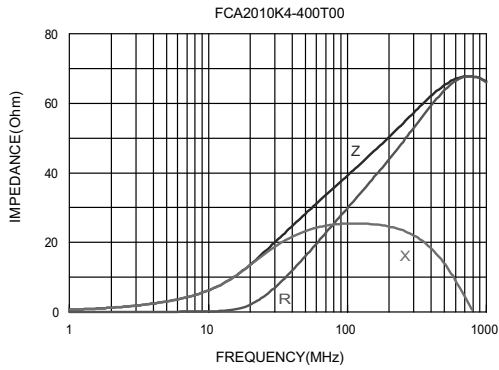
■ FCA2010 Series



Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ohm) max.
FCA2010K4-400T00	40 ± 25%	100	50	0.15
FCA2010K4-680T00	68 ± 25%	100	50	0.20
FCA2010K4-800T00	80 ± 25%	100	50	0.25
FCA2010K4-121T00	120 ± 25%	100	50	0.30

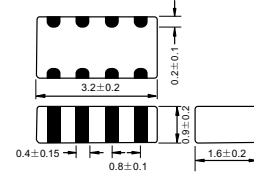
● FCA2010 Series is scheduled to be released in the first quarter of 2003.
 FCA2010 Series 預計2003年第一季推出

■ Typical Impedance v.s. Frequency Curve



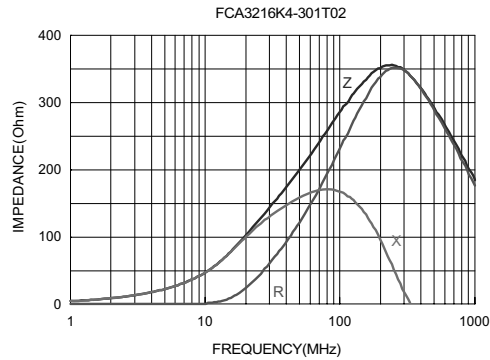
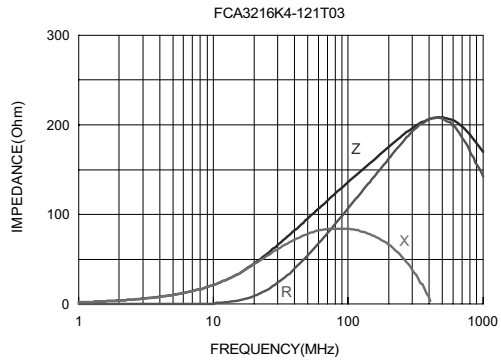
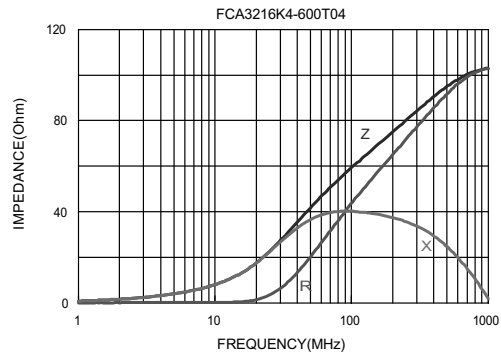
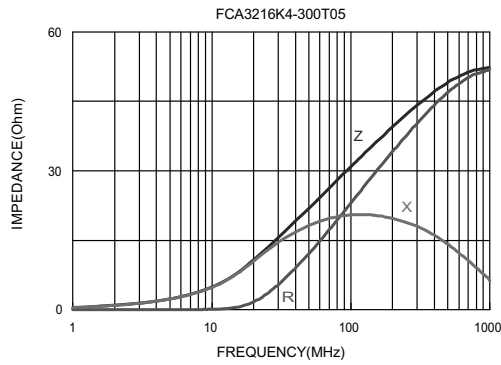
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■ **FCA3216 Series**



Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ohm) max.
FCA3216K4-300T05	30 ± 25%	100	500	0.20
FCA3216K4-600T04	60 ± 25%	100	400	0.25
FCA3216K4-121T03	120 ± 25%	100	350	0.30
FCA3216K4-301T02	300 ± 25%	100	250	0.40
FCA3216K4-601T02	600 ± 25%	100	200	0.50
FCA3216K4-102T01	1000 ± 25%	100	150	0.75
FCA3216M4-300T04	30 ± 25%	100	400	0.25
FCA3216M4-600T03	60 ± 25%	100	300	0.30
FCA3216M4-121T02	120 ± 25%	100	250	0.40
FCA3216M4-301T02	300 ± 25%	100	200	0.50
FCA3216M4-601T01	600 ± 25%	100	150	0.60

■ Typical Impedance v.s. Frequency Curve



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