

■ Ferrite Chip Bead FCM Series(鐵氧體貼片磁珠-----FCM 系列)

● Features(特徵):

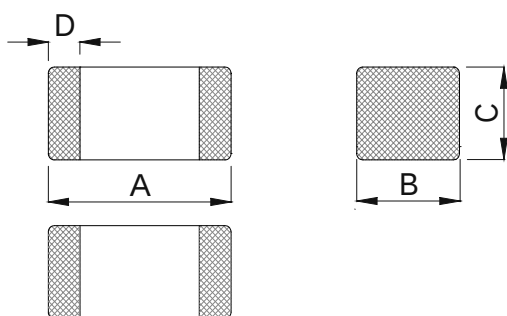
1. Monolithic inorganic material construction.(單石無機材料結構。)
2. Closed magnetic circuit cross talk.(閉合磁路可抗干擾。)
3. S.M.T. type.(表面黏著類型。)
4. Suitable for and reflow soldering.(適合於一般焊接及回焊。)
5. Shapes and dimensions follow E.I.A. spec.(外觀和呎吋符合 EIA 標準。)
6. Available in various sizes.(不同呎吋規格可供選擇。)
7. Excellent solderability and heat resistance.(良好的焊錫性及耐熱性。)
8. High reliability.(高可靠度。)

● Applications(應用):

Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers and other computer peripheral products.

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。

● Shape & Dimensions(外觀呎吋):



Chip size				
Item	A(mm)	B(mm)	C(mm)	D(mm)
FCM1005	1.0 ± 0.10	0.5 ± 0.10	0.5 ± 0.10	0.25 ± 0.1
FCM1608	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.20
FCM2012	2.0 ± 0.20	1.25 ± 0.2	0.85 ± 0.2	0.5 ± 0.30
FCM3216	3.2 ± 0.20	1.6 ± 0.20	1.1 ± 0.20	0.5 ± 0.30
FCM3225	3.2 ± 0.20	2.5 ± 0.20	1.3 ± 0.20	0.5 ± 0.30
FCM4516	4.5 ± 0.20	1.6 ± 0.20	1.6 ± 0.20	0.5 ± 0.30
FCM4532	4.5 ± 0.20	3.2 ± 0.20	1.5 ± 0.20	0.5 ± 0.30

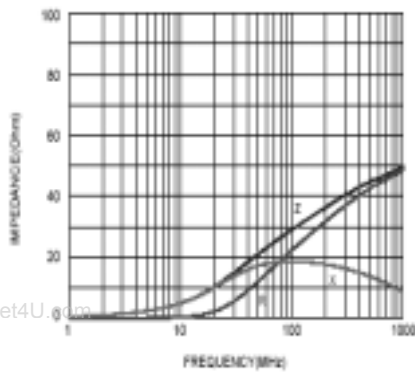
● Specification(規格):

FCM1005 Series Specification:

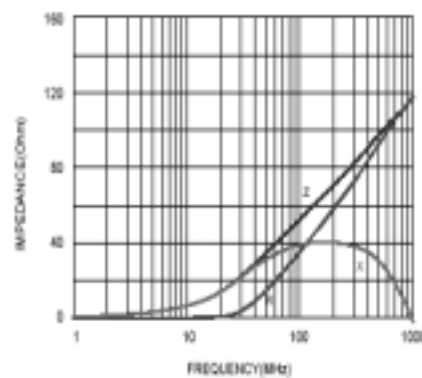
Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM1005-300T03	30±25%	100	300	0.20
FCM1005-600T03	60±25%	100	300	0.25
FCM1005-121T01	120±25%	100	100	0.30
FCM1005-151T01	150±25%	100	100	0.30
FCM1005-221T01	220±25%	100	100	0.40
FCM1005-301T01	300±25%	100	100	0.50
FCM1005-471T01	470±25%	100	100	0.65
FCM1005-601T00	600±25%	100	80	0.80
FCM1005-600T01	60±25%	100	100	0.30
FCM1005-121T00	120±25%	100	80	0.45
FCM1005-221T00	220±25%	100	50	0.60
FCM1005-301T00	300±25%	100	50	0.75

FCM1005 Series Typical Impedance v.s. Frequency Curve:

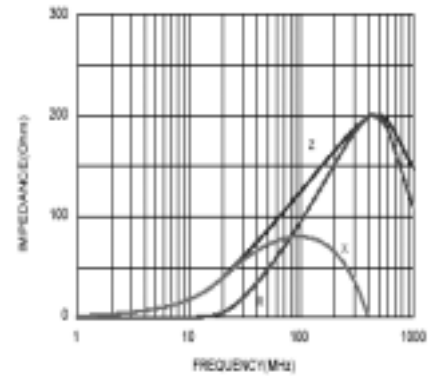
FCM1005-300T03



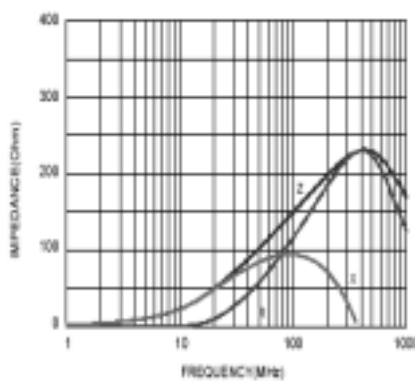
FCM1005-600T03



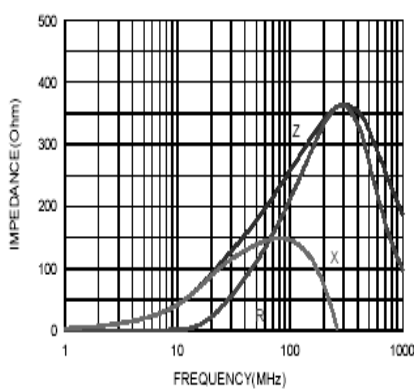
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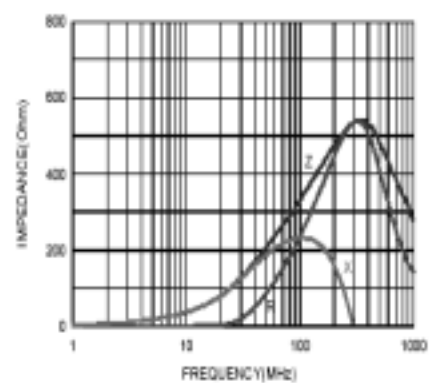
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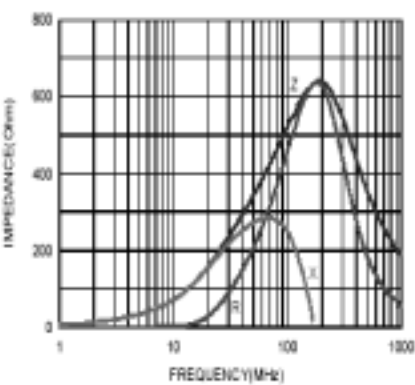
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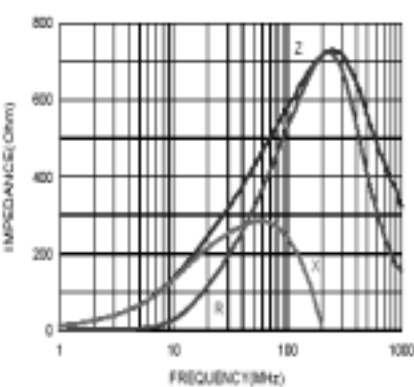
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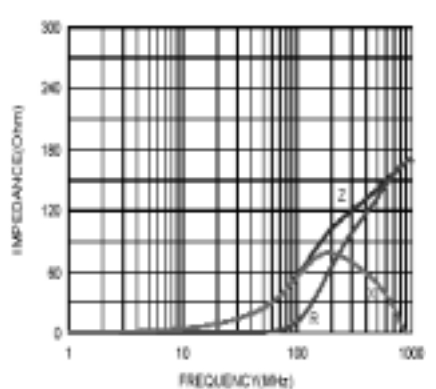
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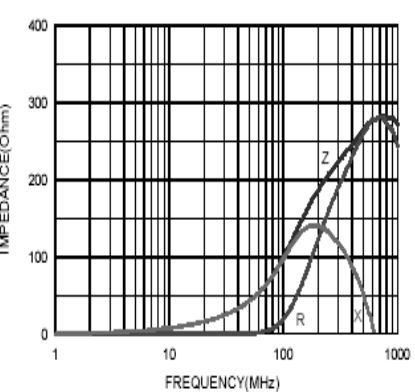
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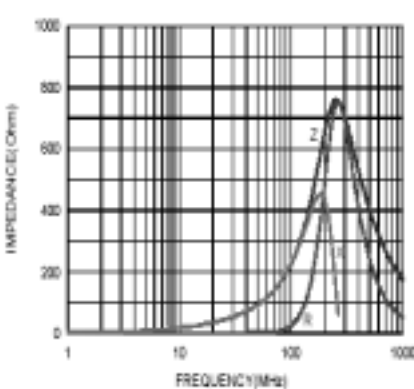
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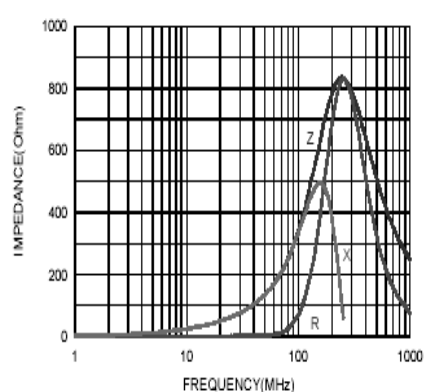
FCM1005-121T00



FCM1005-221T00



FCM1005-301T00



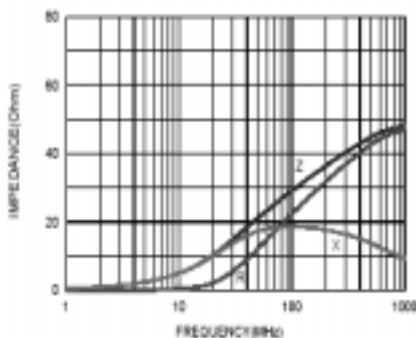
On-Board Type EMI Suppression Filters

FCM1608 Series Specification:

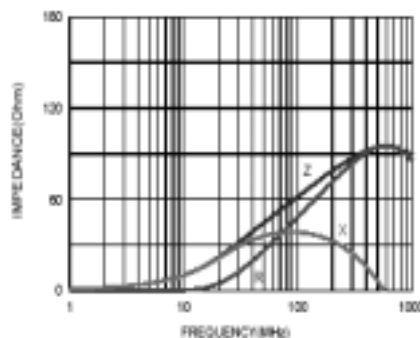
Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM1608-300T07	30±25%	100	700	0.20
FCM1608-600T07	60±25%	100	700	0.20
FCM1608-121T06	120±25%	100	600	0.25
FCM1608-151T06	150±25%	100	600	0.25
FCM1608-221T05	220±25%	100	550	0.30
FCM1608-301T05	300±25%	100	500	0.35
FCM1608-471T03	470±25%	100	350	0.45
FCM1608-601T03	600±25%	100	350	0.50
FCM1608-102T02	1000±25%	100	200	0.70
FCM1608-152T02	1500±25%	100	200	1.00
FCM1608-202T01	2000±25%	100	150	1.20
FCB1608-100T07	10±25%	100	700	0.20
FCM1608-300T06	30±25%	100	600	0.25
FCM1608-600T06	60±25%	100	600	0.30
FCM1608-121T03	120±25%	100	300	0.40
FCM1608-151T03	150±25%	100	300	0.40
FCM1608-221T02	220±25%	100	250	0.60
FCM1608-301T02	300±25%	100	200	0.80
FCM1608-471T02	470±25%	100	200	0.85
FCM1608-601T01	600±25%	100	150	1.20
FCM1608-102T00	1000±25%	100	80	1.50
FCM1608-121T03	120±25%	100	300	0.25
FCM1608-151T02	150±25%	100	250	0.30
FCM1608-221T02	220±25%	100	200	0.35
FCM1608-301T02	300±25%	100	250	0.45
FCM1608-471T02	470±25%	100	200	0.55
FCM1608-601T02	600±25%	100	200	0.70
FCM1608-801T01	800±25%	100	100	0.80

FCM1608 Series Typical Impedance v.s. Frequency Curve:

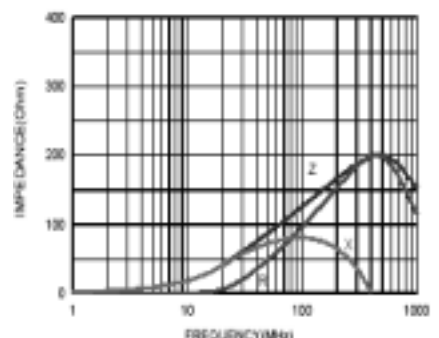
FCM1608-300T07



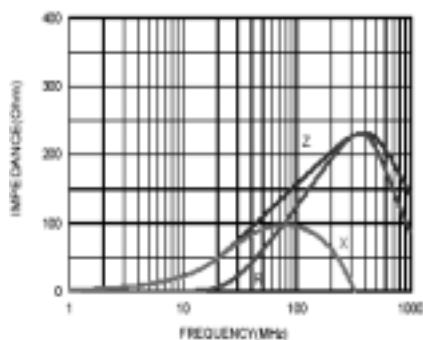
FCM1608-600T07



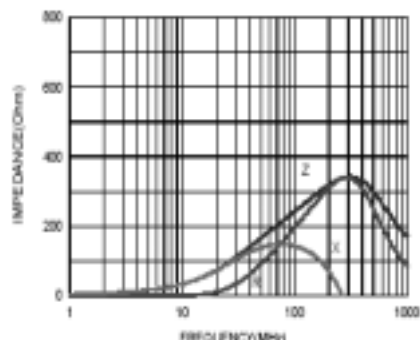
FCM1608-121T06



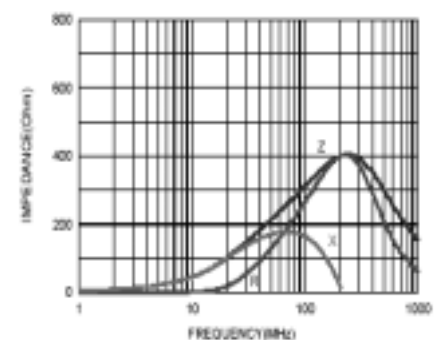
FCM1608-151T06



FCM1608-221T05

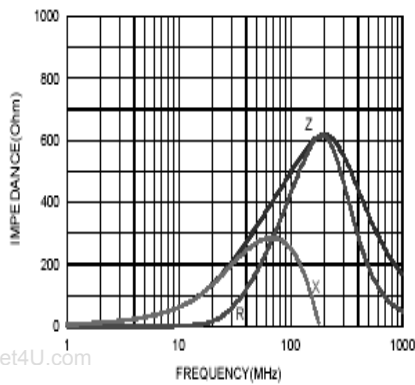


FCM1608-301T05

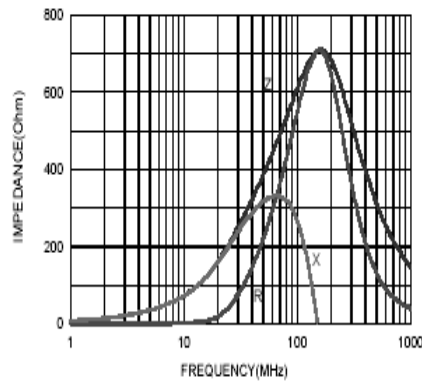


On-Board Type EMI Suppression Filters

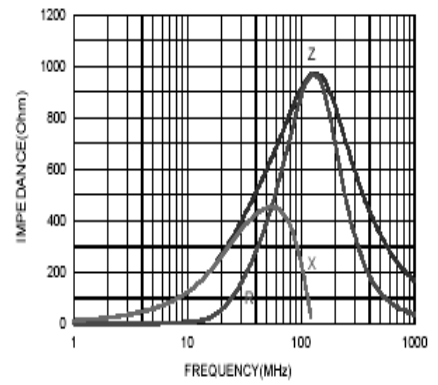
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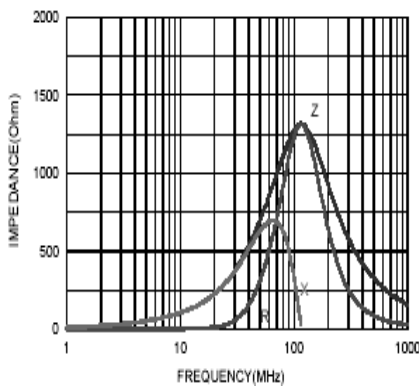
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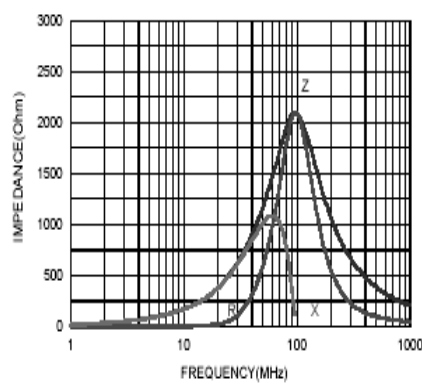
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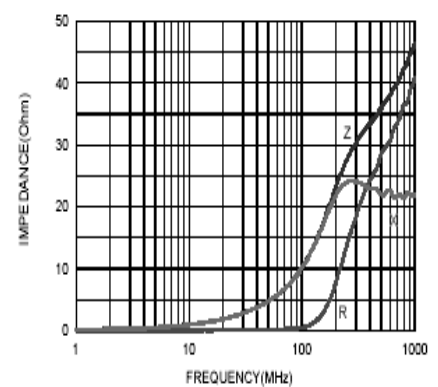
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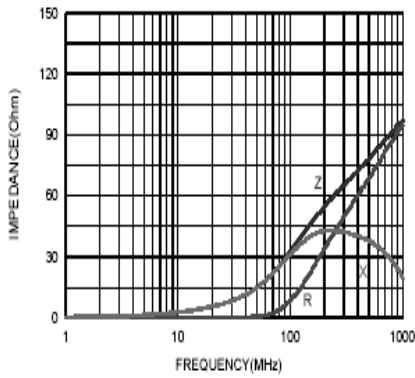
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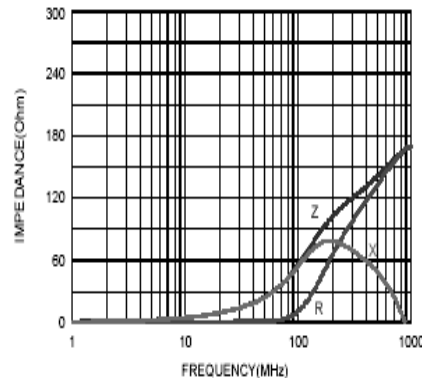
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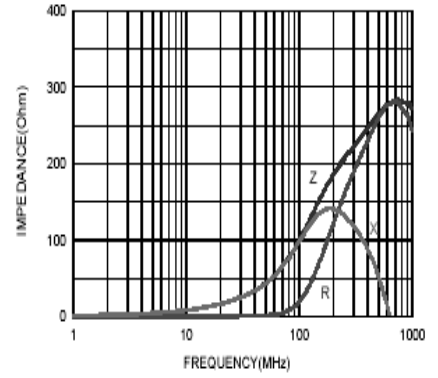
FCM1608-300T06



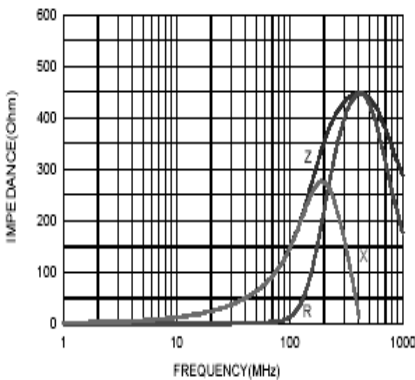
FCM1608-600T06



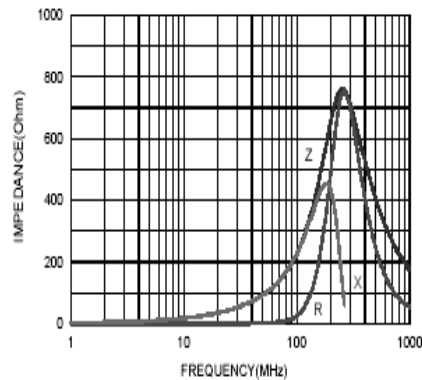
FCM1608-121T03



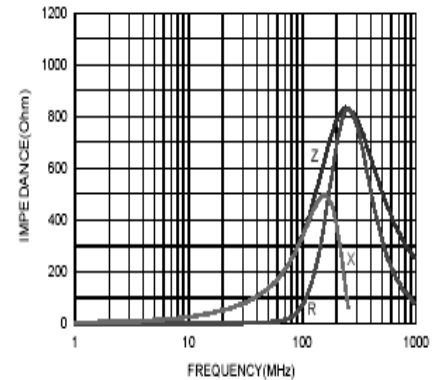
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FCM1608-221T02

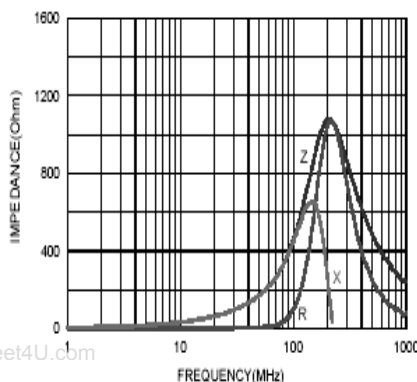


FCM1608-301T02

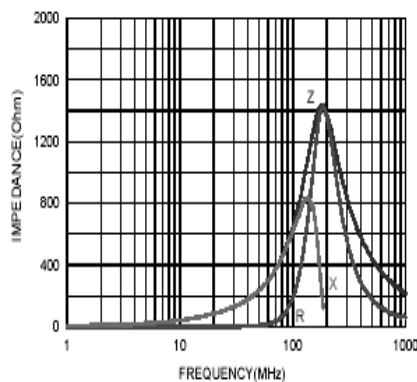


On-Board Type EMI Suppression Filters

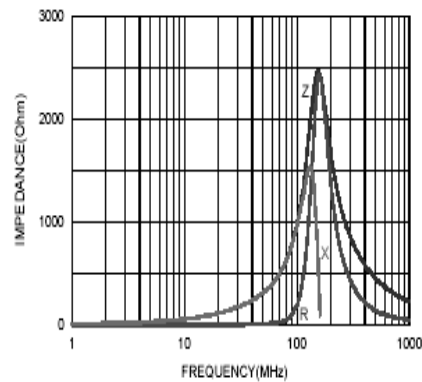
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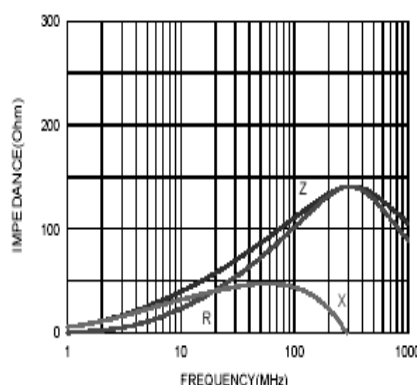
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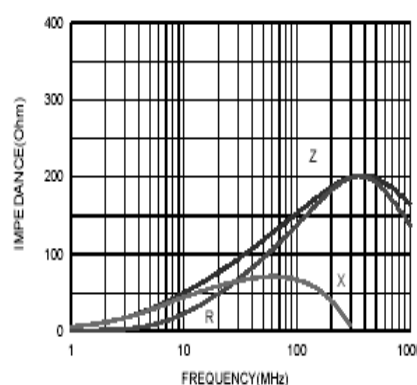
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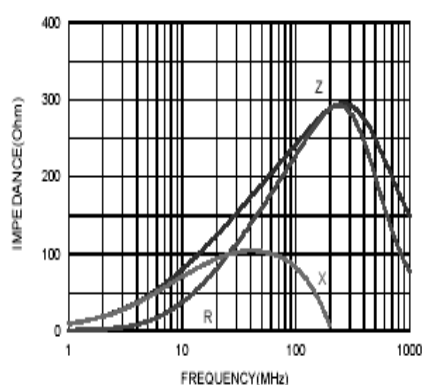
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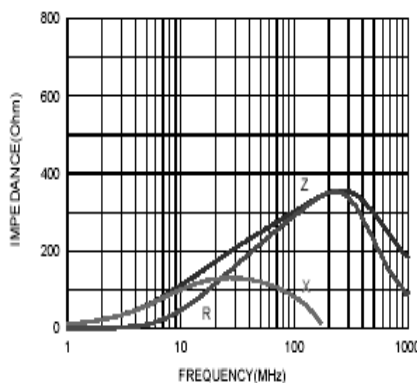
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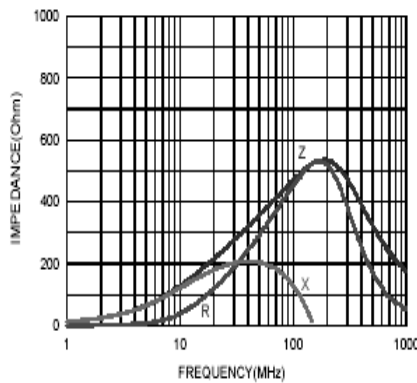
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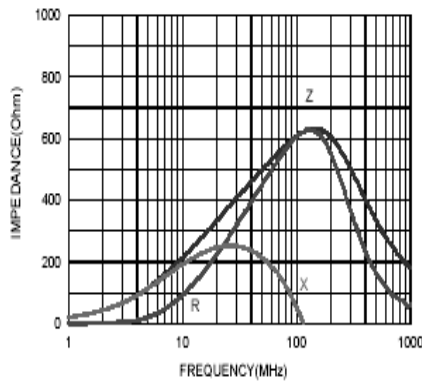
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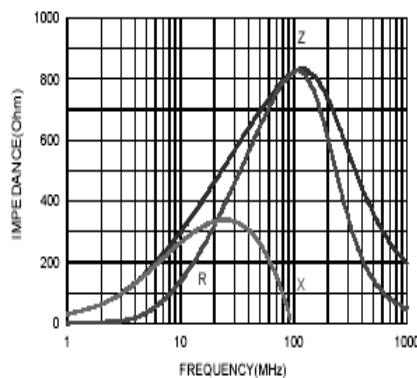
FCM1608-471T02



FCM1608-601T02



FCM1608-801T01

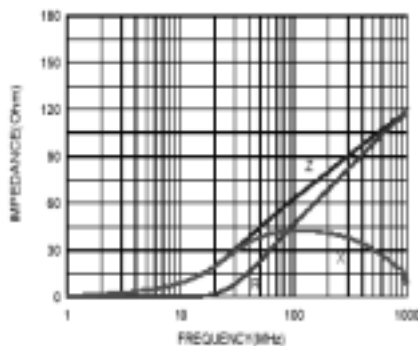


FCM2012 Series Specification:

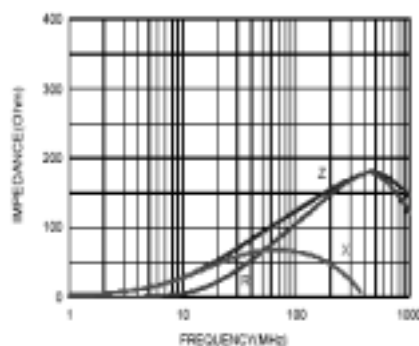
Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM2012-600T09	60±25%	100	900	0.10
FCM2012-121T08	120±25%	100	800	0.20
FCM2012-151T08	150±25%	100	800	0.20
FCM2012-202T02	2000±25%	100	250	0.60
FCM2012-232T02	2300±25%	100	200	0.80
FCM2012-272T01	2700±25%	100	150	1.10
FCM2012-300T07	30±25%	100	700	0.20
FCM2012-600T07	60±25%	100	700	0.20
FCM2012-121T06	120±25%	100	600	0.25
FCM2012-151T06	150±25%	100	600	0.25
FCM2012-221T04	220±25%	100	400	0.30
FCM2012-301T04	300±25%	100	400	0.35
FCM2012-471T04	470±25%	100	400	0.40
FCM2012-601T03	600±25%	100	300	0.45
FCM2012-102T02	1000±25%	100	200	0.50
FCM2012-121T03	120±25%	100	300	0.15
FCM2012-151T03	150±25%	100	300	0.20
FCM2012-221T02	220±25%	100	250	0.30
FCM2012-301T02	300±25%	100	200	0.35
FCM2012-471T02	470±25%	100	200	0.40
FCM2012-601T02	600±25%	100	200	0.45

FCM2012 Series Typical Impedance v.s. Frequency Curve:

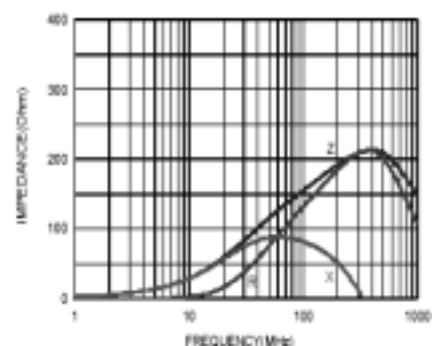
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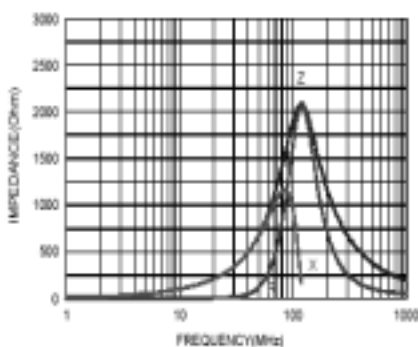
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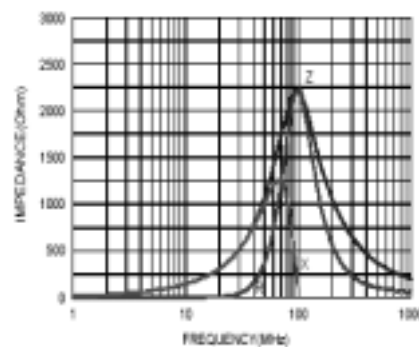
FCM2012-151T08



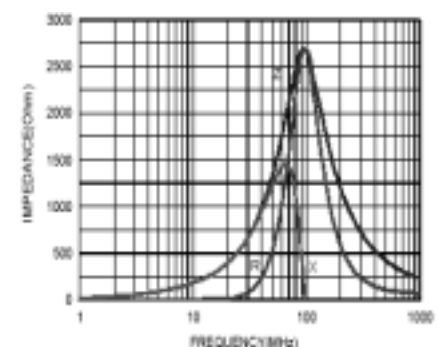
FCM2012-202T02



FCM2012-232T02

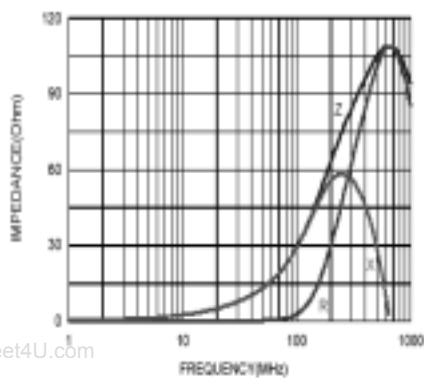


FCM2012-272T01

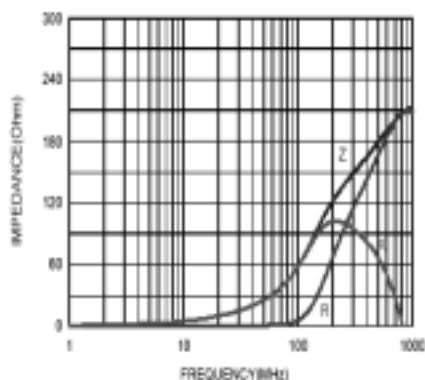


On-Board Type EMI Suppression Filters

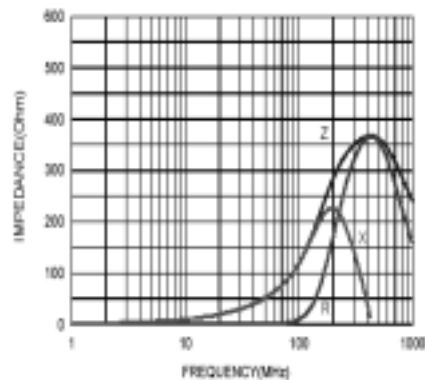
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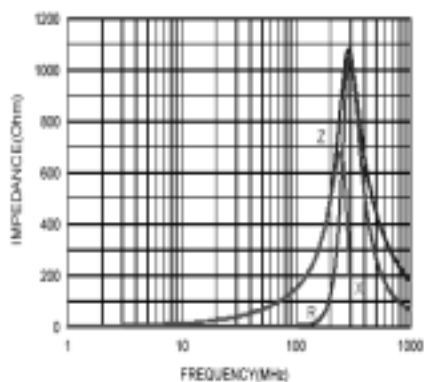
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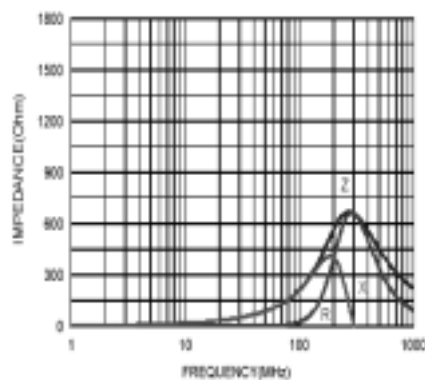
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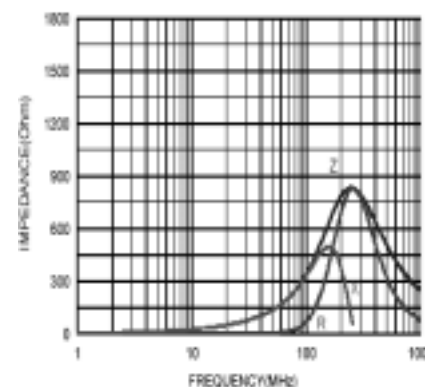
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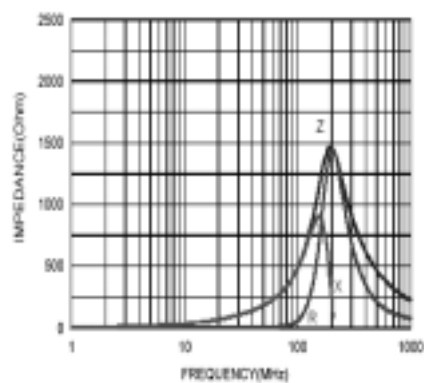
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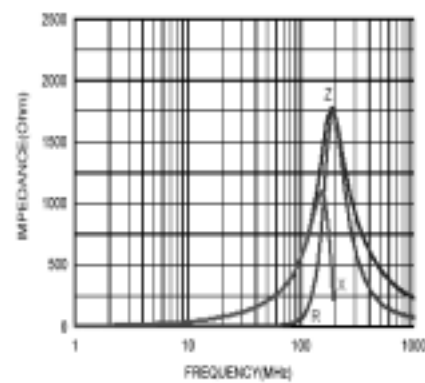
FCM2012-301T04



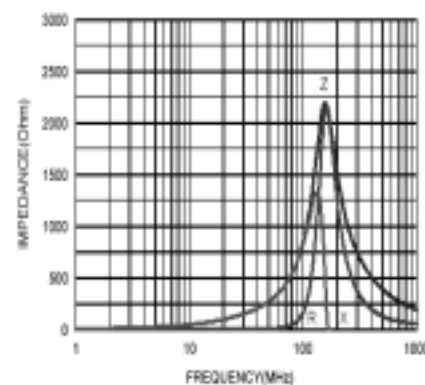
FCM2012-471T04



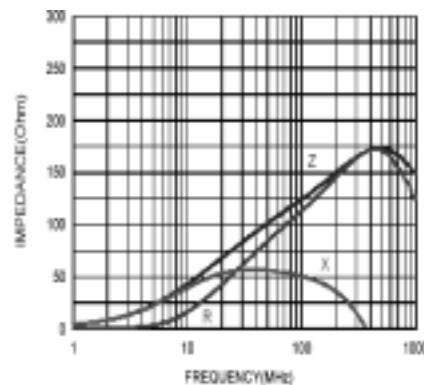
FCM2012-601T03



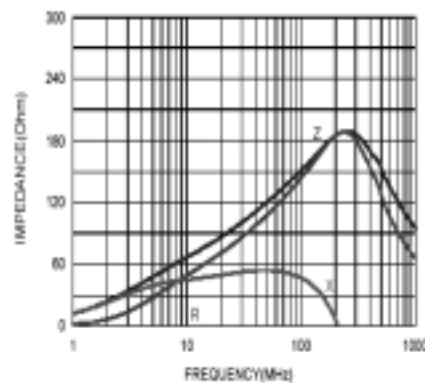
FCM2012-102T02



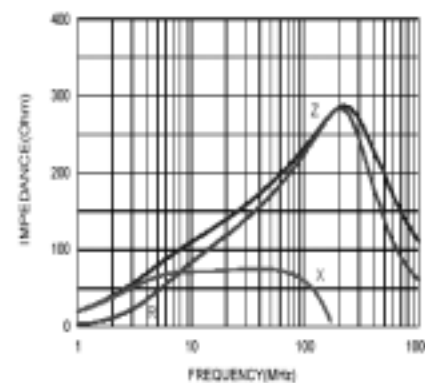
FCM2012-121T03



FCM2012-151T03

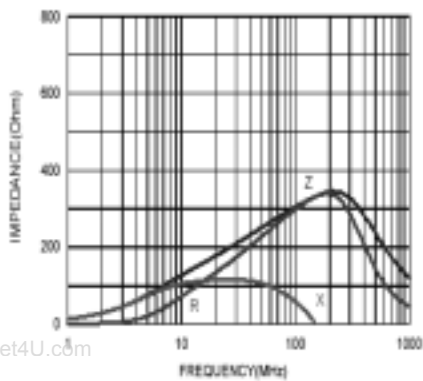


FCM2012-221T02

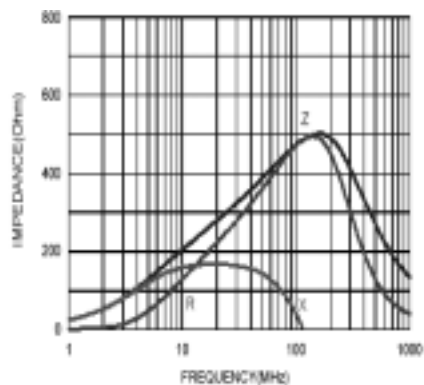


On-Board Type EMI Suppression Filters

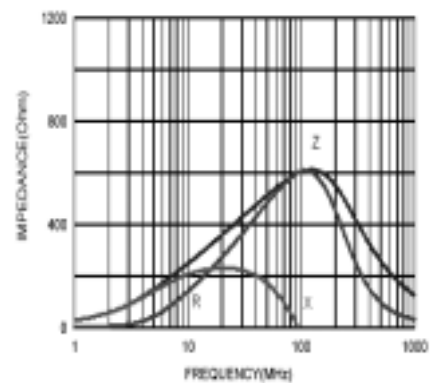
FCM2012-301T02



FCM2012-471T02



FCM2012-601T02



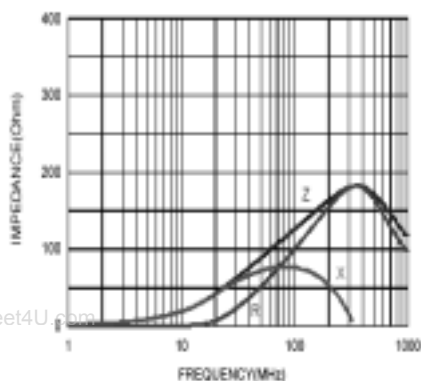
FCM3216 Series Specification:

Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM3216-121T09	120±25%	100	900	0.15
FCM3216-151T09	150±25%	100	900	0.15
FCM3216-221T07	220±25%	100	700	0.35
FCM3216-301T07	300±25%	100	700	0.35
FCM3216-471T04	470±25%	100	400	0.35
FCM3216-601T04	600±25%	100	400	0.40
FCM3216-801T03	800±25%	100	300	0.60
FCM3216-102T03	1000±25%	100	300	0.60
FCM3216-152T03	1500±25%	50	300	0.70
FCM3216-202T03	2000±25%	30	300	0.70
FCM3216-121T07	120±25%	100	700	0.25
FCM3216-151T07	150±25%	100	700	0.25
FCM3216-221T06	220±25%	100	600	0.30
FCM3216-301T06	300±25%	100	600	0.35
FCM3216-471T05	470±25%	100	550	0.40
FCM3216-601T05	600±25%	100	500	0.50
FCM3216-801T04	800±25%	100	400	0.50
FCM3216-102T03	1000±25%	100	300	0.55
FCM3216-121T03	120±25%	100	300	0.15
FCM3216-151T03	150±25%	100	300	0.20
FCM3216-221T02	220±25%	100	250	0.30
FCM3216-301T02	300±25%	100	200	0.35
FCM3216-471T02	470±25%	100	200	0.40
FCM3216-601T02	600±25%	100	200	0.45

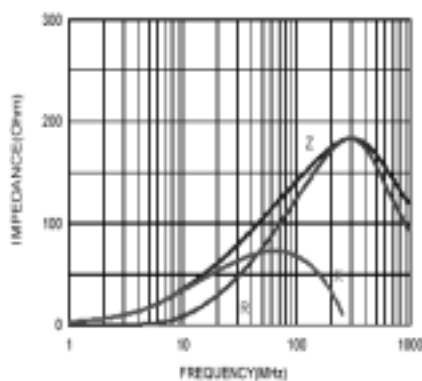
On-Board Type EMI Suppression Filters

FCM3216 Series Typical Impedance v.s. Frequency Curve:

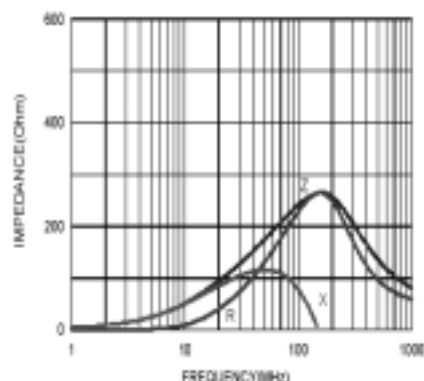
FCM3216-121T09



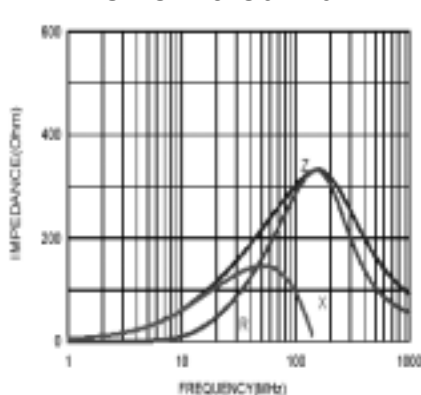
FCM3216-151T09



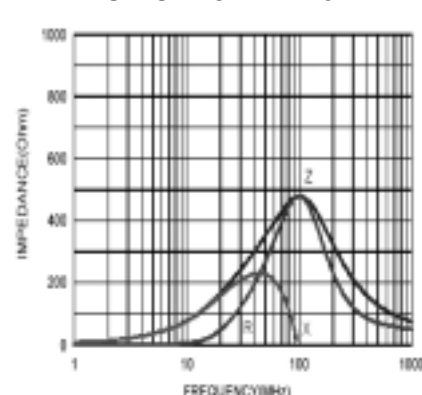
FCM3216-221T07



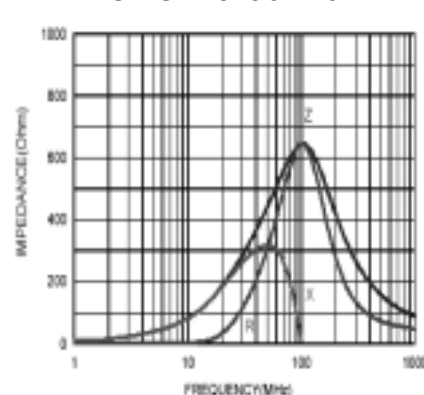
FCM3216-301T07



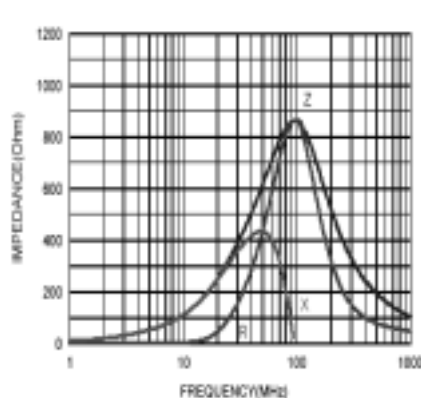
FCM3216-471T04



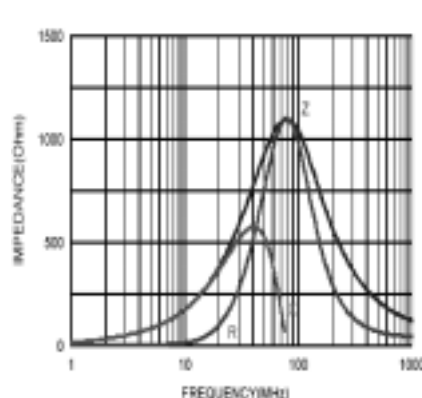
FCM3216-601T04



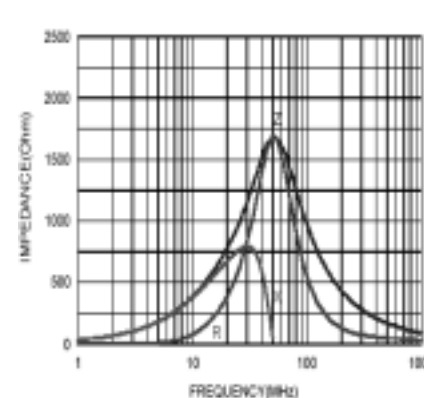
FCM3216-801T03



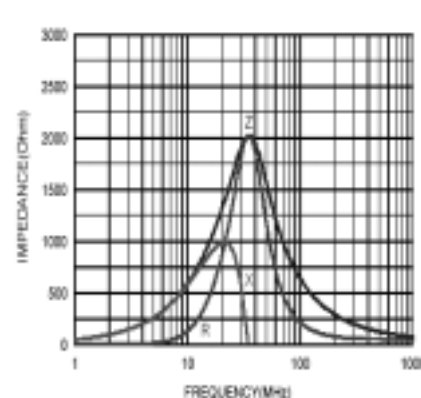
FCM3216-102T03



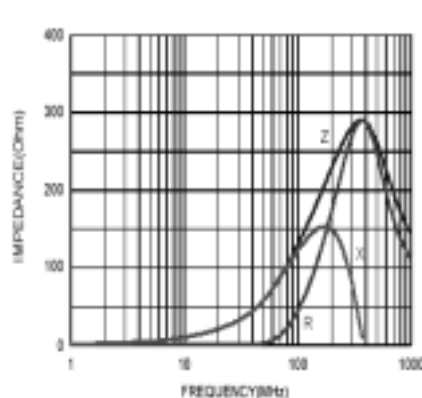
FCM3216-152T03



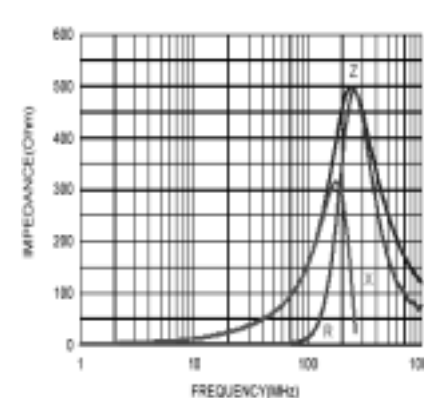
FCM3216-202T03



FCM3216-121T07

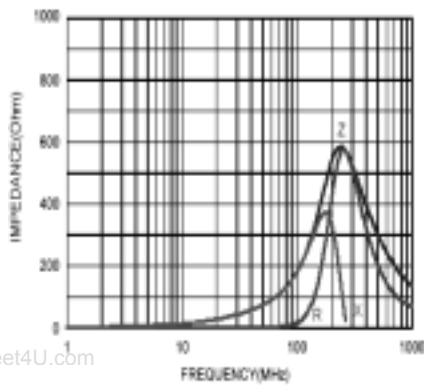


FCM3216-151T07

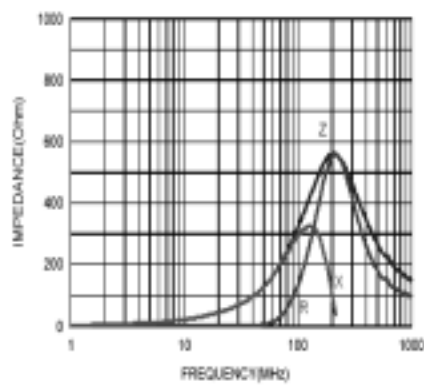


On-Board Type EMI Suppression Filters

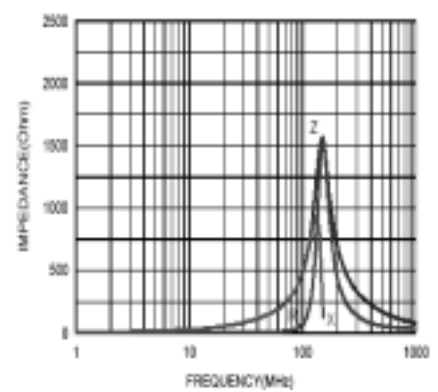
FCM3216-221T06



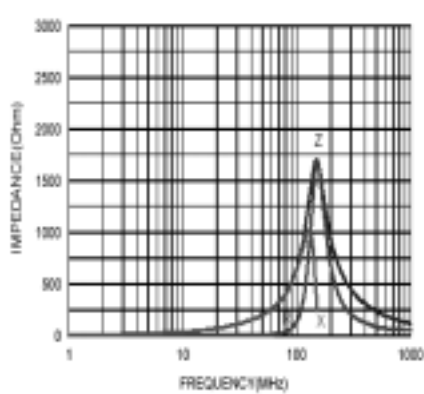
FCM3216-301T06



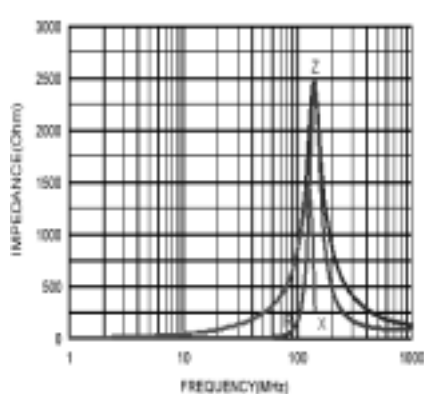
FCM3216-471T05



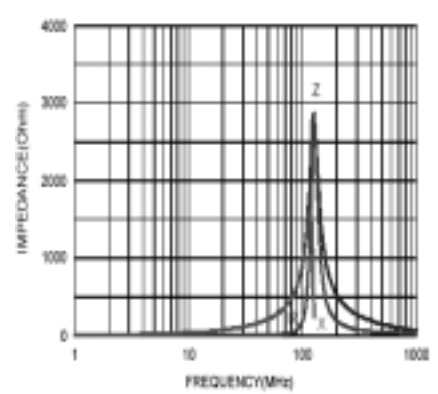
FCM3216-601T05



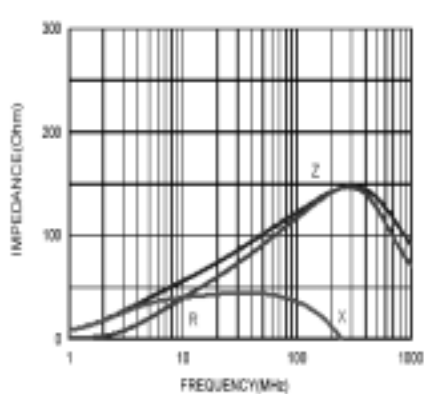
FCM3216-801T04



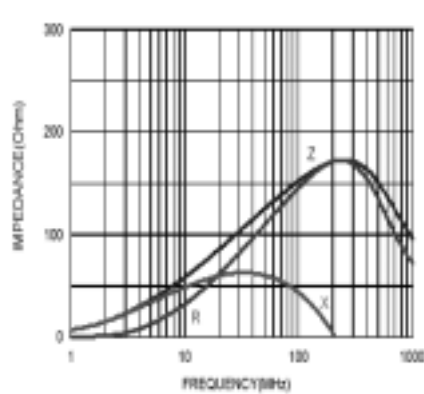
FCM3216-102T03



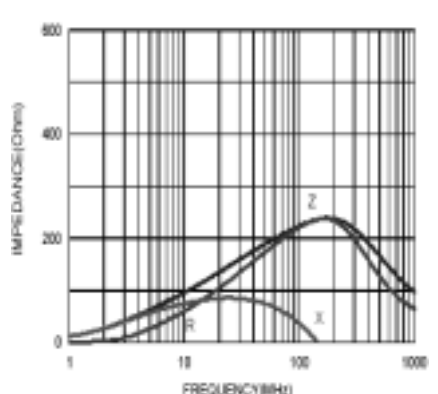
FCM3216-121T03



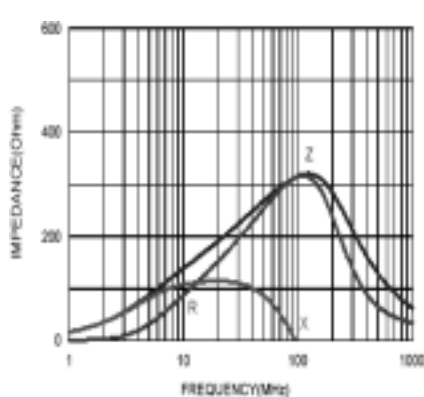
FCM3216-151T03



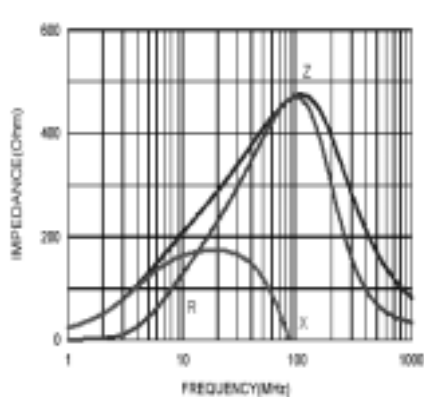
FCM3216-221T02



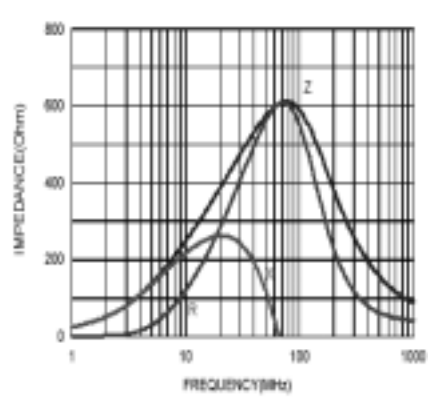
FCM3216-301T02



FCM3216-471T02



FCM3216-601T02



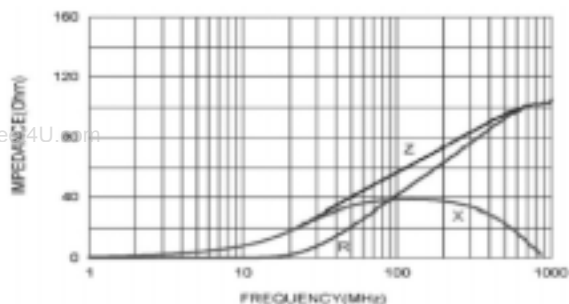
On-Board Type EMI Suppression Filters

FCM3225 Series Specification:

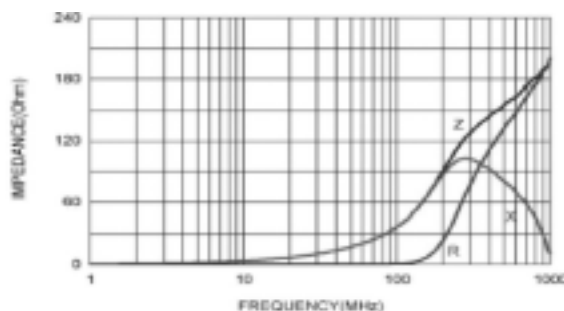
Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM3225-600T04	60±25%	100	400	0.30
FCM3225-310T04	31±25%	100	400	0.30

FCM3225 Series Typical Impedance v.s. Frequency Curve:

FCM3225-600T04



FCM3225-310T04

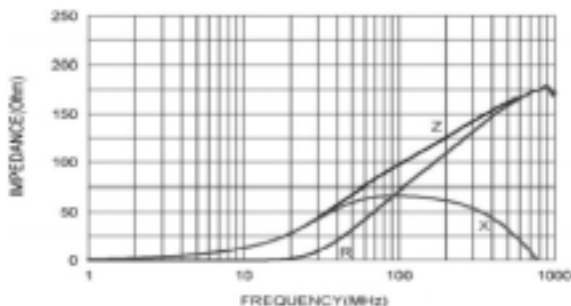


FCM4516 Series Specification:

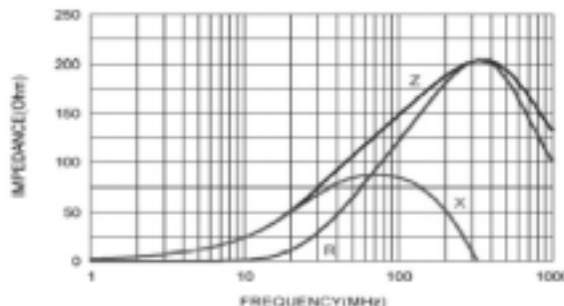
Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM4516-101T05	100±25%	100	500	0.10
FCM4516-151T02	150±25%	100	200	0.50

FCM4516 Series Typical Impedance v.s. Frequency Curve:

FCM4516-101T05



FCM4516-151T02

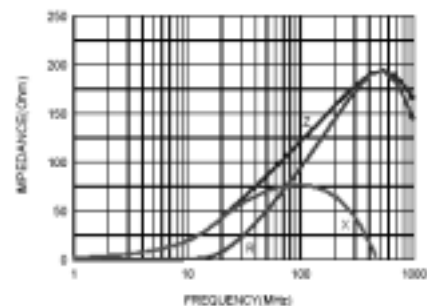


FCM4532 Series Specification:

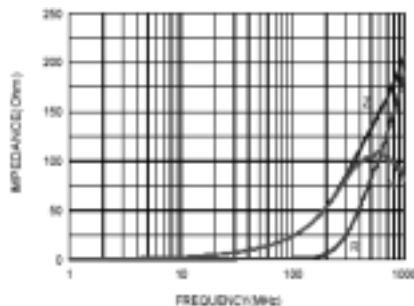
Part Number	Impedance (Ohm)	Test Frequency (MHz) @HP4286	Rated Current (mA) max.	DC Resistance (Ohm) max.
FCM4532-131T03	130±25%	100	300	0.40
FCM4532-250T03	25±25%	100	300	0.40
FCM4532-700T03	70±25%	100	300	0.40

FCM4532 Series Typical Impedance v.s. Frequency Curve:

FCM4532-131T03



FCM4532-250T03



FCM4532-700T03

