



FEATURES

- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ Can be used in a wide range of frequency (from dozens of MHz to hundreds of MHz) to suppress EMI
- ◆ Smaller DC resistance and large rated current than GB series

APPLICATIONS

- ◆ Noise suppression for low speed signal of electric equipments such as computers and peripheral devices, DVD cameras, LCD TVs, communication equipments, OA equipments.

PRODUCT IDENTIFICATION

HPCB = FD C 1005 T 121 F XX
 A B C D E F G H

A

Type	
HPCB	Chip Ferrite Power Bead

B

F	Material Code
F=ferrite	D, E, U

C

Feature Code
C

D

External Dimensions (L×W) (mm)	
1005 [0402]	1.0×0.5
1608 [0603]	1.6×0.8

E

Packing	
T	Tape & Reel

F

Nominal Impedance	
Example	Nominal Value
400	40Ω
121	120Ω
102	1000Ω

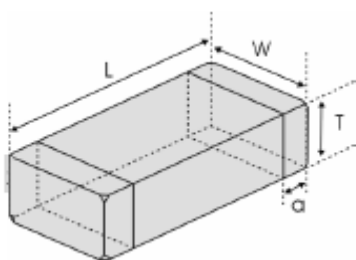
G

Hazardous Substance Free Products
F

H

Internal Code
XX

SHAPE AND DIMENSIONS



Unit: mm [inch]

Type	L	W	T	a
HPCB-1005 [0402]	1.0±0.15 [.039±006]	0.5±0.15 [.020±006]	0.5±0.15 [.020±006]	0.25±0.1 [.010±004]
HPCB-1608 [0603]	1.6±0.15 [.063±006]	0.8±0.15 [.031±006]	0.8±0.15 [.031±006]	0.3±0.2 [.012±008]

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SPECIFICATIONS

HPCB-1005-C TYPE

Part Number	Impedance	Z Test Freq.	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	Ir	T
HPCB-FDC1005T400F	40±25%	100	0.12	550	0.5±0.15 [.020±.006]
HPCB-FDC1005T800F	80±25%	100	0.16	450	
HPCB-FDC1005T121F	120±25%	100	0.18	400	
HPCB-FDC1005T241F	240±25%	100	0.30	300	
HPCB-FDC1005T301F	300±25%	100	0.38	250	
HPCB-FDC1005T421F	420±25%	100	0.45	250	
HPCB-FDC1005T471F	470±25%	100	0.45	250	
HPCB-FDC1005T501F	500±25%	100	0.50	250	
HPCB-FDC1005T601F	600±25%	100	0.50	250	
HPCB-FDC1005T751F	750±25%	100	0.65	150	
HPCB-FDC1005T102F	1000±25%	100	0.70	150	
HPCB-FDC1005T152F	1500±25%	100	1.15	100	
HPCB-FDC1005T800F	80±25%	100	0.2	500	
HPCB-FDC1005T121F	120±25%	100	0.25	500	
HPCB-FEC1005T241F	240±25%	100	0.40	400	
HPCB-FEC1005T601F	600±25%	100	0.60	300	
HPCB-FUC1005T100F	0~15	100	0.03	1000	
HPCB-FUC1005T300F	30±25%	100	0.06	700	
HPCB-FUC1005T700F	70±25%	100	0.10	700	
HPCB-FUC1005T121F	120±25%	100	0.20	500	
HPCB-FUC1005T221F	220±25%	100	0.30	400	
HPCB-FUC1005T301F	300±25%	100	0.50	300	
HPCB-FUC1005T421F	420±25%	100	0.52	300	
HPCB-FUC1005T601F	600±25%	100	0.55	300	
HPCB-FUC1005T102F	1000±25%	100	0.58	300	

HPCB-1608-C TYPE

Part Number	Impedance	Z Test Freq.	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	Ir	T
HPCB-FDC1608T121F	120±25%	100	0.20	500	0.8±0.15 [.031±.006]
HPCB-FDC1608T241F	240±25%	100	0.30	500	

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SPECIFICATIONS

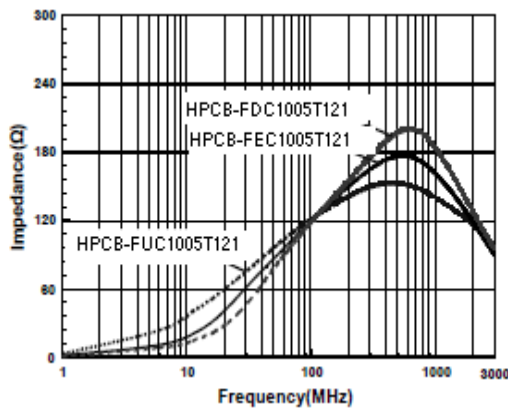
HPCB-1608-C TYPE

Part Number	Impedance	Z Test Freq.	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	Ir	T
HPCB-FDC1608T301F	300±25%	100	0.35	500	0.8±0.15 [.031±.006]
HPCB-FDC1608T471F	470±25%	100	0.40	500	
HPCB-FDC1608T601F	600±25%	100	0.40	500	
HPCB-FDC1608T102F	1000±25%	100	0.50	400	
HPCB-FDC1608T152F	1500±25%	100	0.60	300	
HPCB-FEC1608T121F	120±25%	100	0.20	500	
HPCB-FEC1608T102F	1000±25%	100	0.50	400	
HPCB-FUC1608T600F	60±25%	100	0.10	800	
HPCB-FUC1608T800F	80±25%	100	0.10	600	
HPCB-FUC1608T121F	120±25%	100	0.18	500	
HPCB-FUC1608T151F	150±25%	100	0.25	500	
HPCB-FUC1608T221F	220±25%	100	0.25	500	
HPCB-FUC1608T301F	300±25%	100	0.25	500	
HPCB-FUC1608T471F	470±25%	100	0.35	500	
HPCB-FUC1608T601F	600±25%	100	0.38	500	
HPCB-FUC1608T102F	1000±25%	100	0.50	400	

※□: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

TYPICAL ELECTRICAL CHARACTERISTICS

D, E, U Material Comparison



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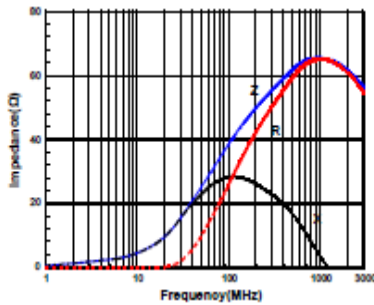
Multilayer Chip Ferrite Bead

HPCB-GB-C Series

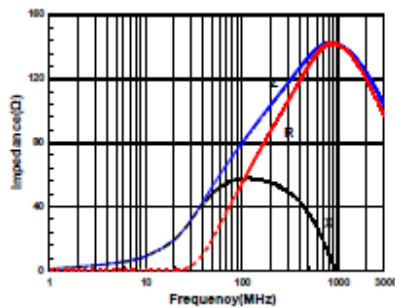
DETAIL ELECTRICAL CHARACTERISTICS

HPCB-1005-C TYPE

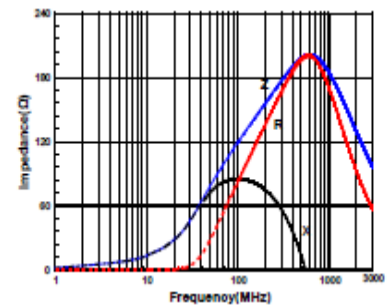
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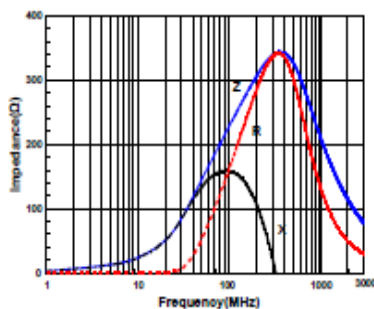
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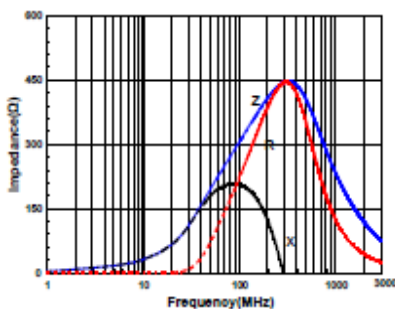
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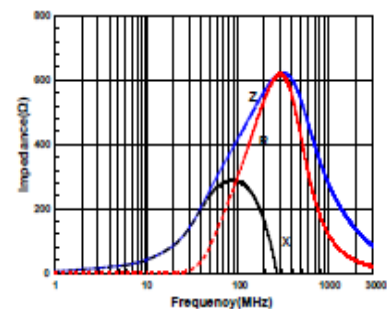
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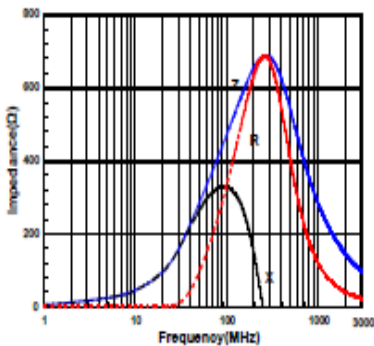
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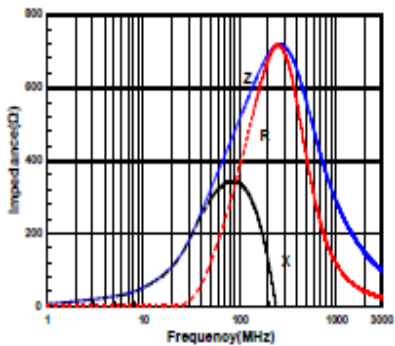
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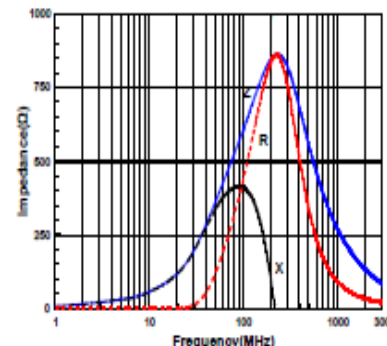
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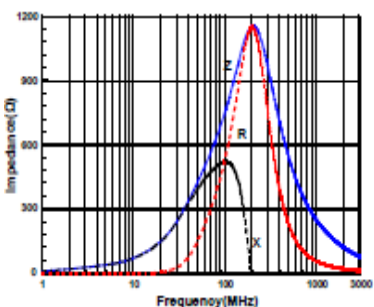
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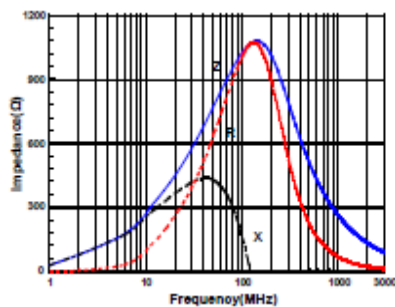
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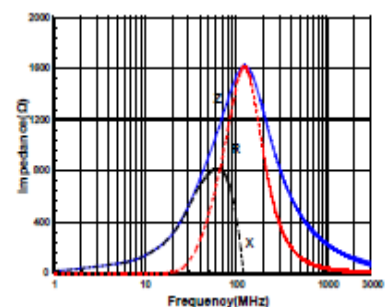
HPCB-FDC1005T751



HPCB-FDC1005T102



HPCB-FDC1005T152



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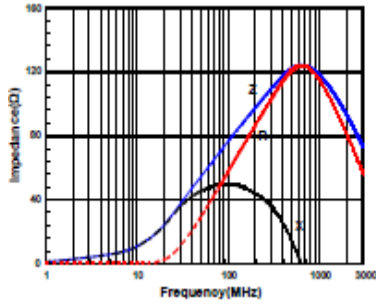
Multilayer Chip Ferrite Bead

HPCB-GB-C Series

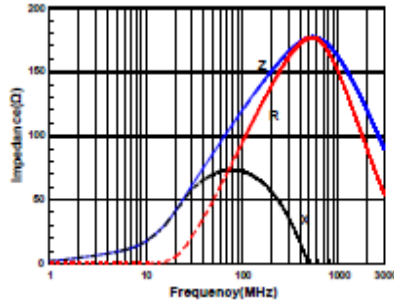
DETAIL ELECTRICAL CHARACTERISTICS

HPCB-1005-C TYPE

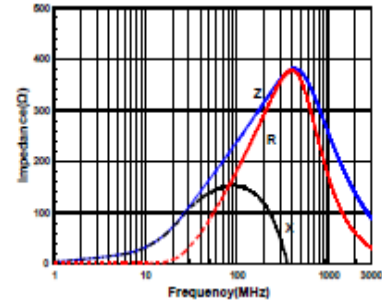
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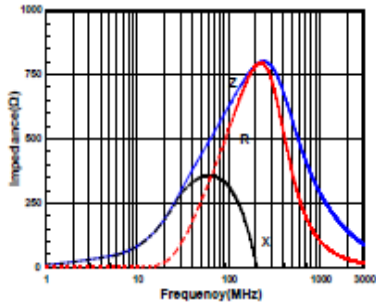
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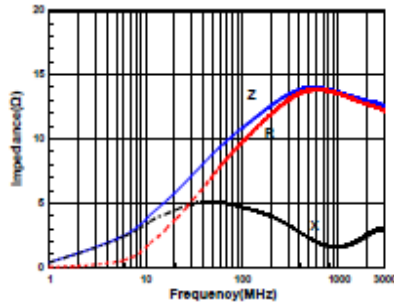
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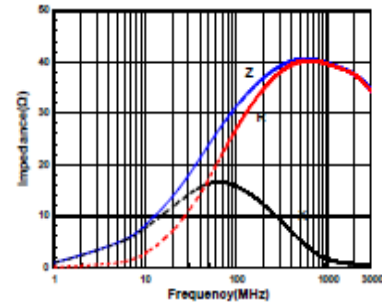
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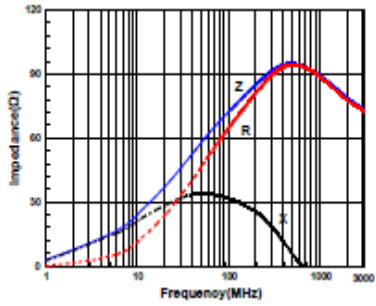
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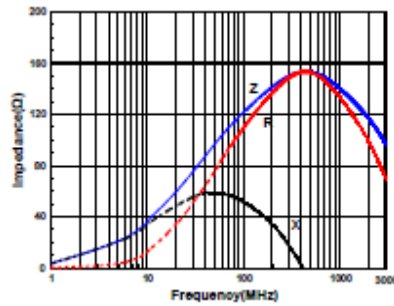
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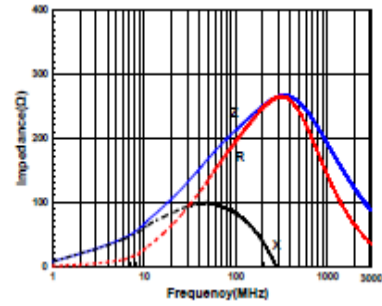
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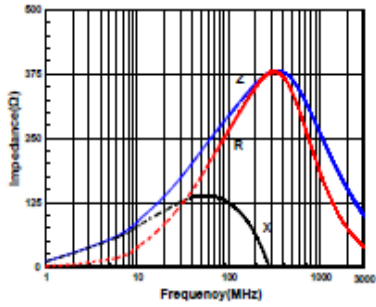
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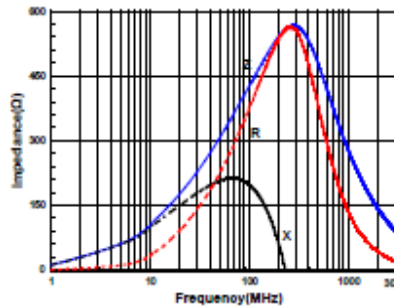
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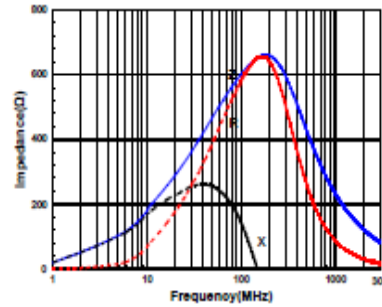
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HPCB-FUC1005T421



HPCB-FUC1005T601



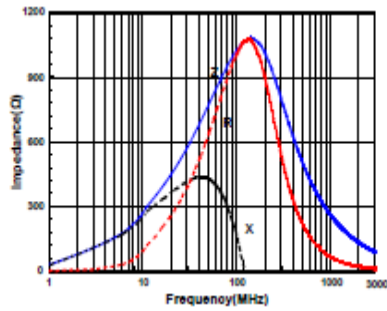
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DETAIL ELECTRICAL CHARACTERISTICS

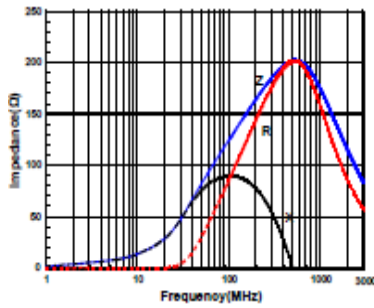
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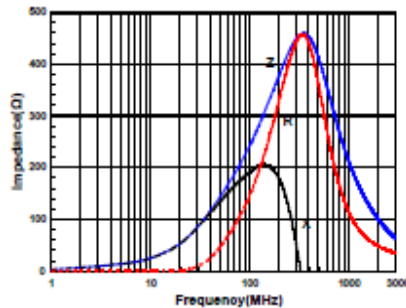


HPCB-1608-C TYPE

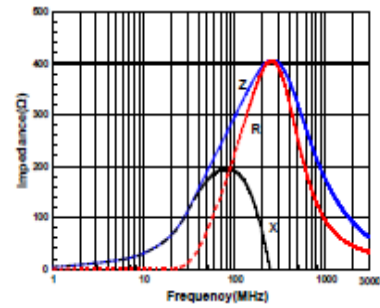
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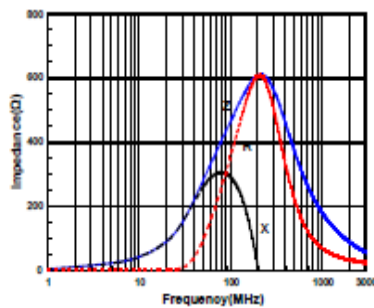
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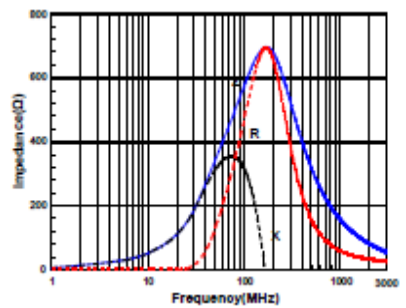
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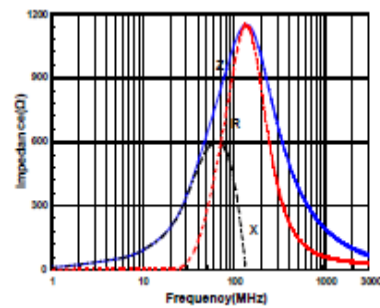
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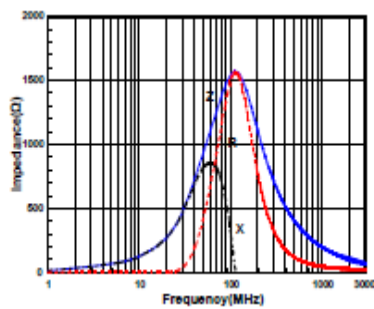
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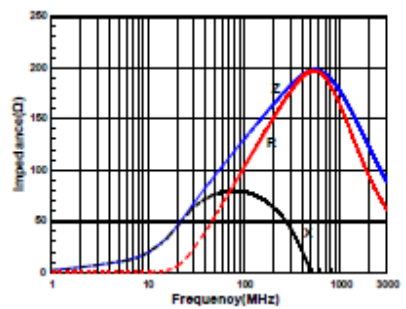
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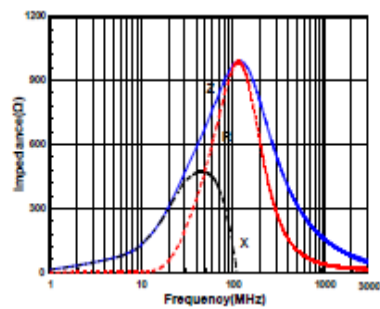
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HPCB-FEC1608T121



HPCB-FEC1608T102



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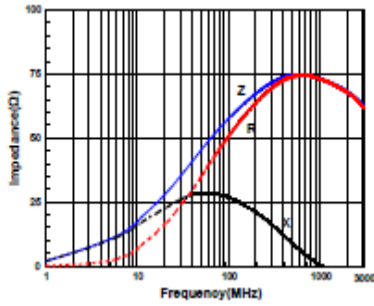
Multilayer Chip Ferrite Bead

HPCB-GB-C Series

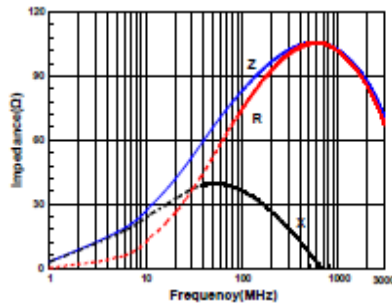
DETAIL ELECTRICAL CHARACTERISTICS

HPCB-1608-C TYPE

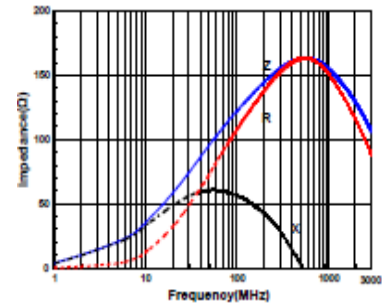
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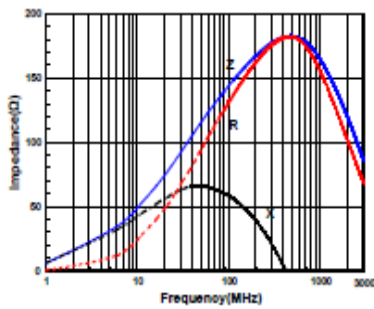
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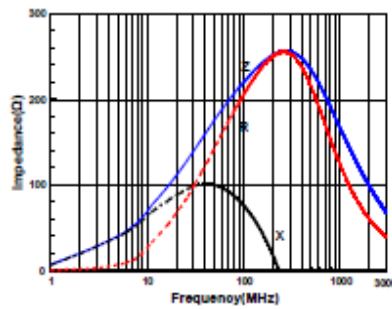
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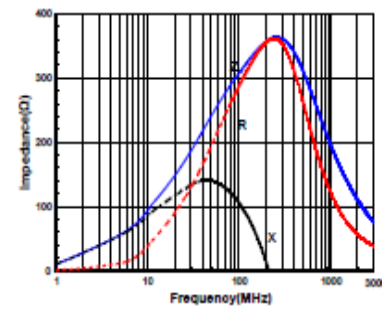
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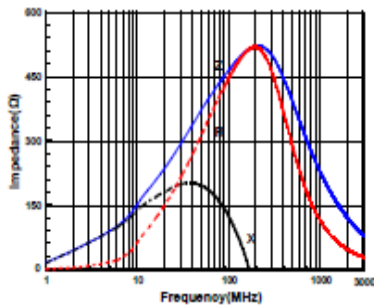
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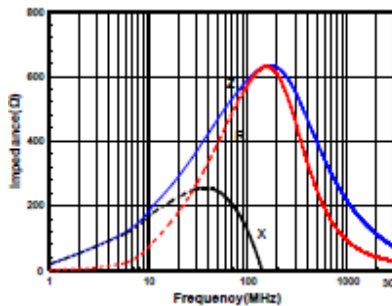
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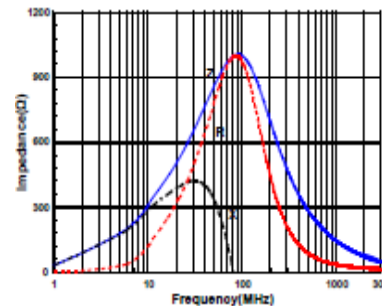
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HPCB-FUC1608T601



HPCB-FUC1608T102



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