



**FEATURES**

- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ It has sharp impedance characteristics at desirable frequency and does not affect the signal frequency
- ◆ Smaller DC resistance and larger rate current than SB series

**APPLICATIONS**

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

**PRODUCT IDENTIFICATION**

**HPCB** = **FG** **SC** **1608** **T** **121** **F** **XX**  
 A B C D E F G H

A

Type	
HPCB	Chip Ferrite Bead for High Speed

B

FG	Material Code
F=ferrite	F, G, K

C

Feature Code	
S	high speed
C	series

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
600	60Ω
121	120Ω

G

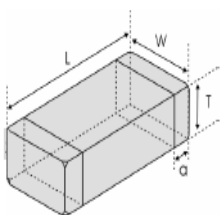
Hazardous Substance Free Products
F

F

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-FG1005-C TYPE**

Part Number	Impedance	Z Test Freq.	Max. DC Resistance	Max. Rated Current	Thickness
Units	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol	Z	Freq.	DCR	Ir	T
HPCB-FGC1005T050F	0~15	100	0.08	500	0.5±0.15 [.020±.006]
HPCB-FGC1005T050F	220±25%	100	0.60	250	
HPCB-FKC1005T750F	75±25%	100	0.20	600	
HPCB-FKC1005T121F	120±25%	100	0.30	400	
HPCB-FKC1005T221F	220±25%	100	0.40	300	
HPCB-FKC1005T301F	300±25%	100	0.55	300	
HPCB-FKC1005T471F	470±25%	100	0.60	200	
HPCB-FKC1005T601F	600±25%	100	0.65	200	
HPCB-FKC1005T102F	1000±25%	100	0.90	200	
HPCB-FKC1005T152F	1500±25%	100	1.20	100	
HPCB-FKC1005T182F	1800±25%	100	1.40	100	

**HPCB-1608-C TYPE**

Part Number	Impedance	Z Test Freq.	Max. DC Resistance	Max. Rated Current	Thickness
Units	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol	Z	Freq.	DCR	Ir	T
HPCB-FGC1608T600F	60±25%	100	0.25	800	0.8±0.15 [.031±.006]
HPCB-FGC1608T121F	120±25%	100	0.30	700	
HPCB-FGC1608T221F	220±25%	100	0.45	600	
HPCB-FGC1608T331F	330±25%	100	0.58	550	
HPCB-FKC1608T601F	600±25%	100	0.60	300	
HPCB-FKC1608T102F	1000±25%	100	0.70	250	
HPCB-FKC1608T152F	1500±25%	100	0.75	250	
HPCB-FKC1608T182F	1800±25%	100	0.85	200	
HPCB-FKC1608T222F	2200±25%	100	0.90	200	
HPCB-FKC1608T252F	2500±25%	100	1.00	200	

※□: Products with other electrical characteristics can be provided upon customer's request.

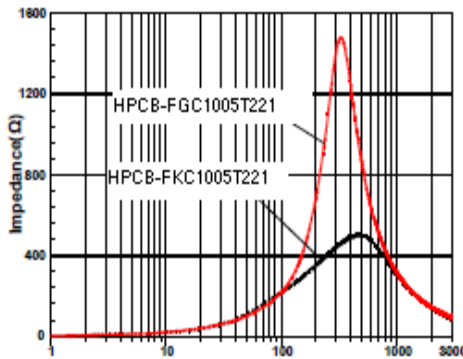
Please contact your local sales.

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## TYPICAL ELECTRICAL CHARACTERISTICS

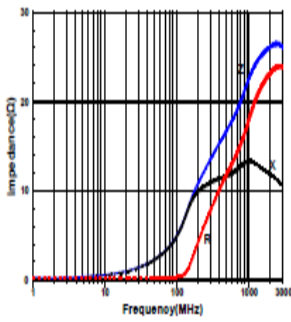
G, K Material Comparison



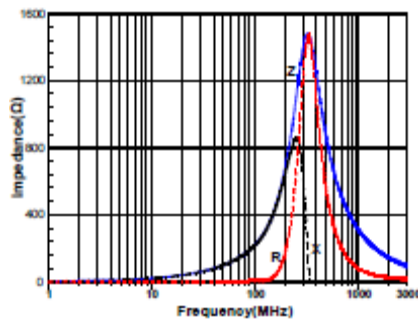
## DETAIL ELECTRICAL CHARACTERISTICS

HPCB-1005-C TYPE

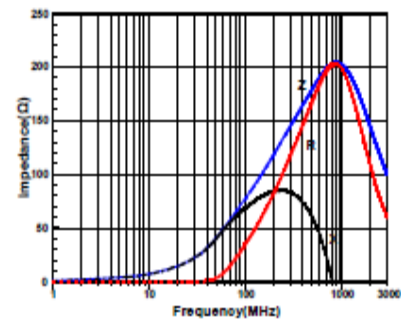
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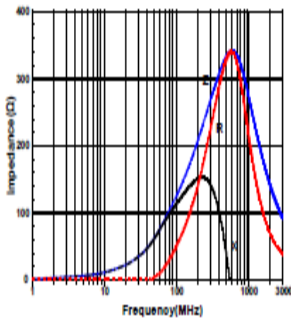
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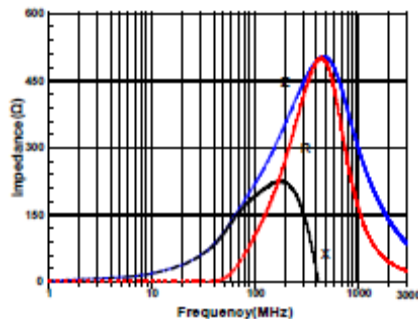
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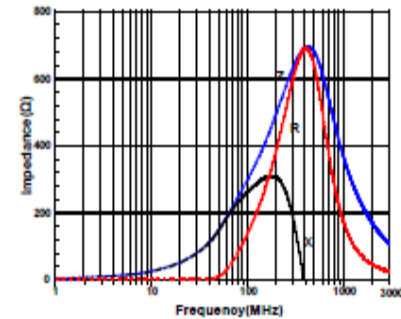
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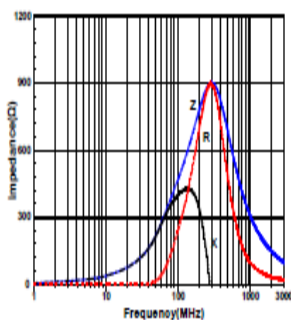
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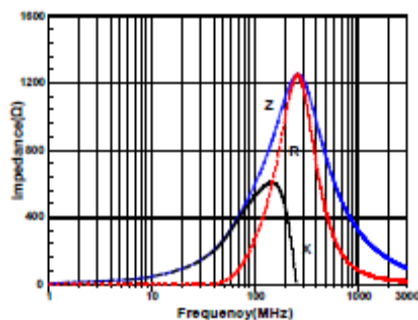
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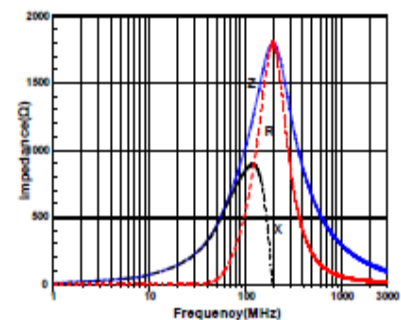
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HPCB-FKC1005T601



HPCB-FKC1005T102



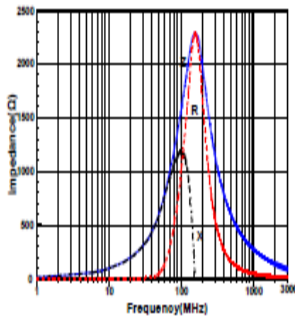
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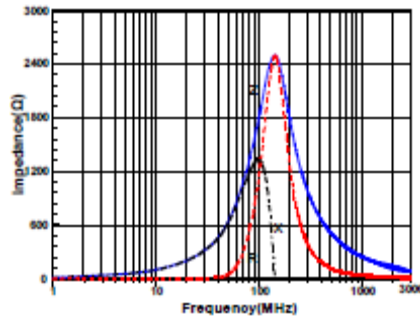
## DETAIL ELECTRICAL CHARACTERISTICS

### HPCB-1005-C TYPE

HPCB-FKC1005T152

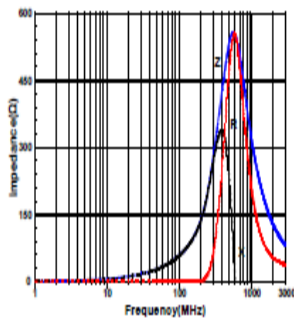


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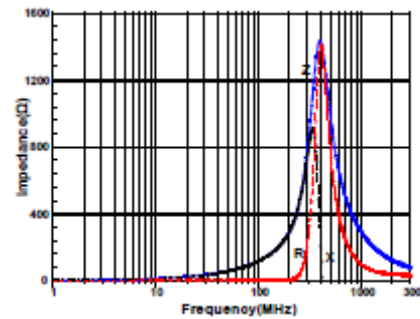


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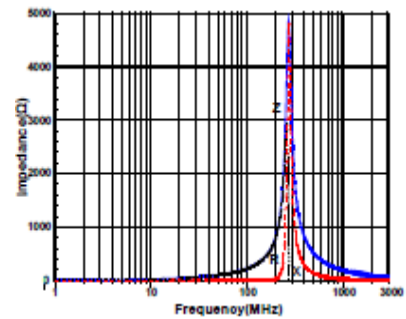
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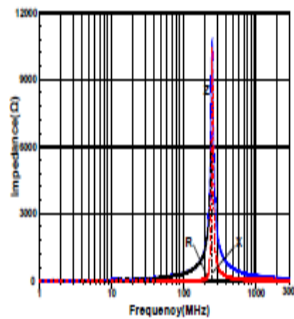
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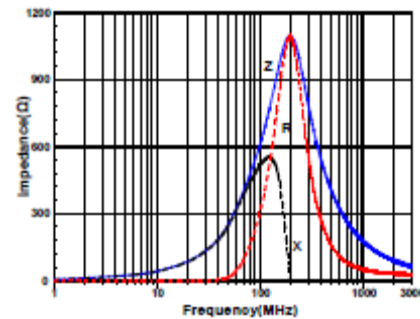
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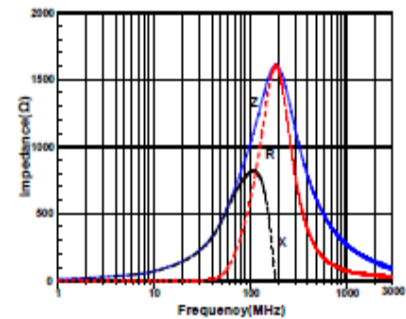
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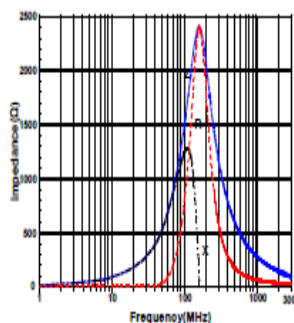
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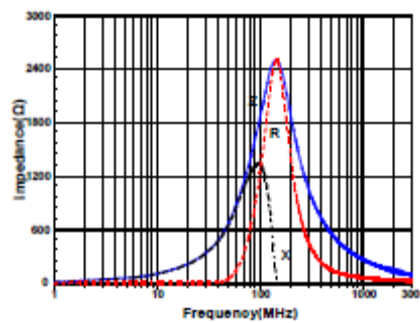
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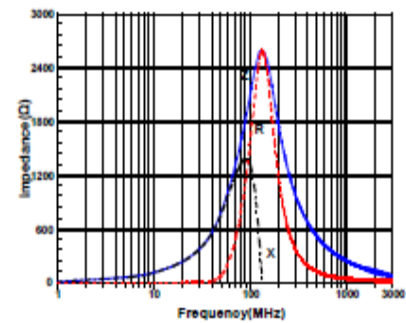
HPCB-FKC1608T152



HPCB-FKC1608T182



HPCB-FKC1608T222



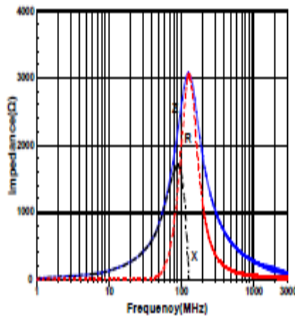
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**DETAIL ELECTRICAL CHARACTERISTICS**

**HPCB-1608-C TYPE**

HPCB-FKC1608T252



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