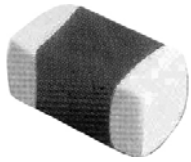
Multilayer Chip Ferrite Bead – HZ Series

Operating Temp. : -55℃~+125℃



FEATURES

- Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- Perfect effect for EMI suppression at high frequency (≥1GHz) due to its high impedance
- Four types material and wide range of impedance values for various applications

APPLICATIONS

- High frequency noise suppression in electric equipments such as computer and peripheral devices, DVD, cameras, LCD TVs, communication equipments, OA equipments, etc.

PRODUCT IDENTIFICATION

HZ	1608	K	301	T	F	□□□
①	②	③	④	⑤	⑥	⑦

①

Type	
HZ	Chip Ferrite Bead for High Frequency

②

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

③

Material Code
G, K, D, U

⑤

Packing	
T	Tape & Reel

④

Nominal Impedance	
Example	Nominal Value
301	300Ω
102	1000Ω

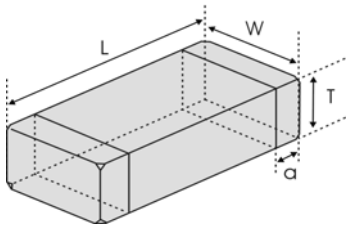
⑥

Hazardous Substance Free Products
F

⑦

Design Code	
□□□	Design Code
* Standard product is blank	

SHAPE AND DIMENSIONS



Unit: mm [inch]

Type	L	W	T	a
HZ1005 [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]
HZ1608 [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]

SPECIFICATIONS

HZ1005 TYPE

Part Number	Impedance		Max. DC Resistance	Max. Rated Current	Thickness
	@100MHz	@1GHz Min.			
Units	Ω		Ω	mA	mm [inch]
Symbol	Z		DCR	Ir	T
HZ1005G121TF	120±25%	500	0.70	300	0.5±0.15 [.020±.006]
HZ1005G221TF	220±25%	900	1.00	250	

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HZ1005 TYPE

Part Number	Impedance		Max. DC Resistance	Max. Rated Current	Thickness
	@100MHz	@1GHz Min.			
Units	Ω		Ω	mA	mm [inch]
Symbol	Z		DCR	Ir	T
HZ1005D221TFB01	220±25%	300	0.50	300	0.5±0.15 [.020±.006]
HZ1005D301TF	300±25%	400	1.00	100	
HZ1005D601TF	600±25%	700	1.50	100	
HZ1005D102TF	1000±25%	900	1.80	50	
HZ1005K181TF	180±25%	400	1.00	100	
HZ1005K301TF	300±25%	600	1.10	100	
HZ1005K471TF	470±25%	900	1.30	100	
HZ1005K601TFB01	600±25%	1100	0.85	300	
HZ1005K102TFB01	1000±25%	1200	1.25	250	
HZ1005K152TF	1500±25%	1400	2.20	50	
HZ1005K182TFB03	1800±25%	1620	2.20	200	
HZ1005U601TFB02	600±25%	600	0.70	300	
HZ1005U102TFB01	1000±25%	900	1.10	250	

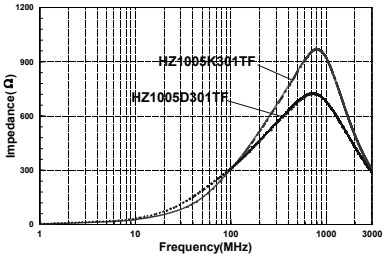
HZ1608 TYPE

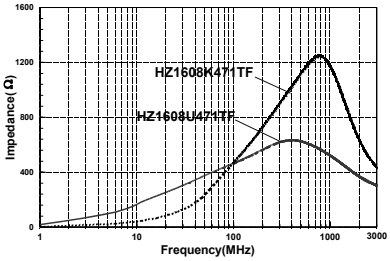
Part Number	Impedance		Max. DC Resistance	Max. Rated Current	Thickness
	@100MHz	@1GHz Min.			
Units	Ω		Ω	mA	mm [inch]
Symbol	Z		DCR	Ir	T
HZ1608K471TF	470±25%	700	1.20	100	0.8±0.15 [.031±.006]
HZ1608K601TF	600±25%	850	1.50	100	
HZ1608K102TF	1000±25%	1100	1.80	50	
HZ1608U181TF	180±25%	180	0.55	200	
HZ1608U301TF	300±25%	300	0.75	200	
HZ1608U471TF	470±25%	400	0.85	200	
HZ1608U601TF	600±25%	450	1.00	200	
HZ1608U102TF	1000±25%	750	1.60	100	

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

TYPICAL ELECTRICAL CHARACTERISTICS

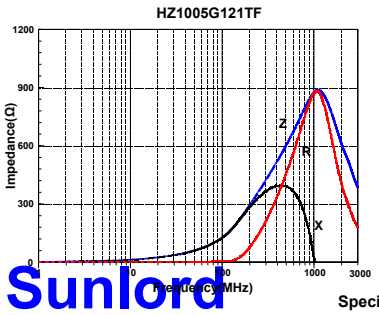
D, K, U Material Comparison

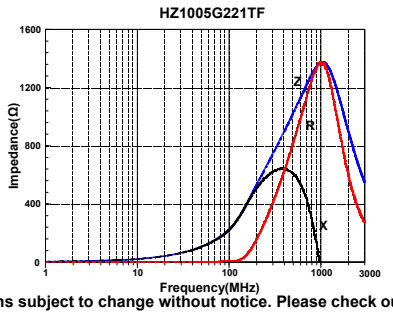


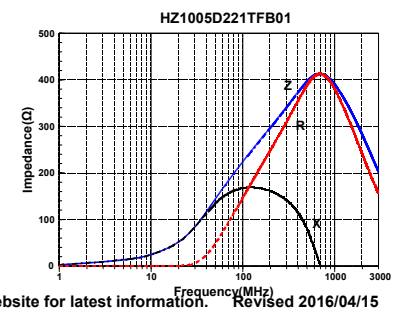


DETAIL ELECTRICAL CHARACTERISTICS

HZ1005 TYPE



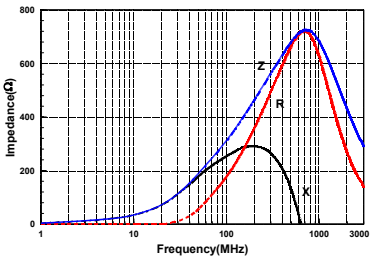




DETAIL ELECTRICAL CHARACTERISTICS

HZ1005 TYPE

HZ1005D301TF



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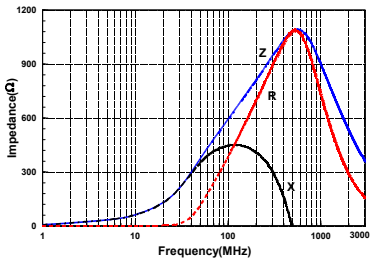

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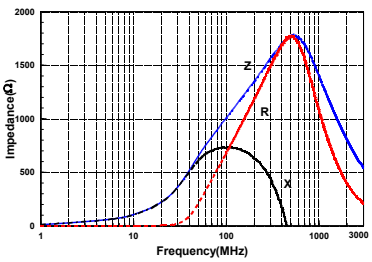

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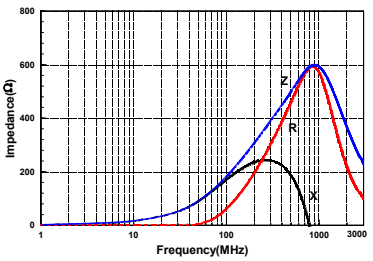

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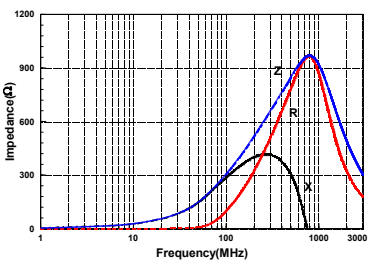

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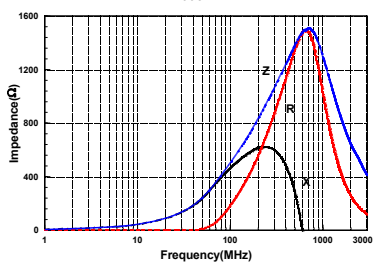

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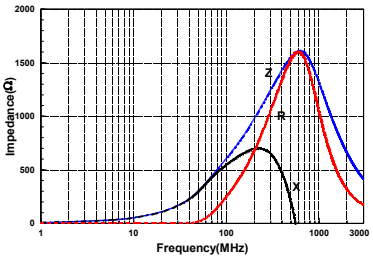

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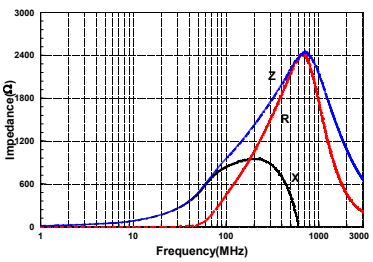

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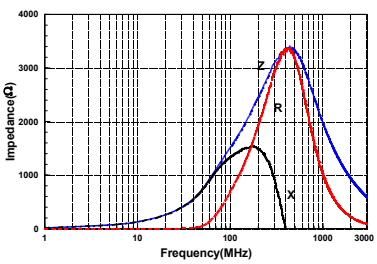

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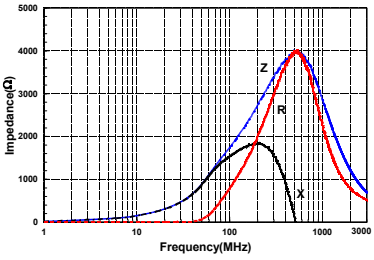

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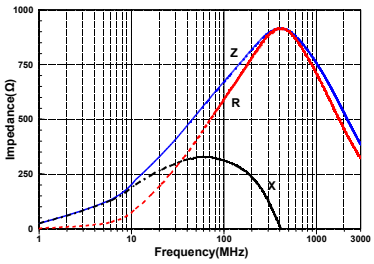

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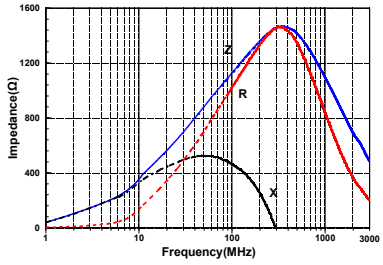
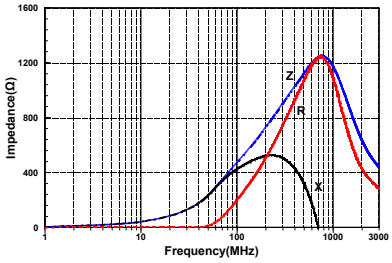


HZ1608 TYPE

HZ1608K471TF



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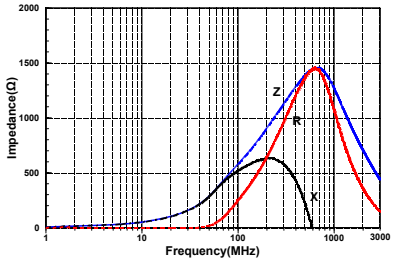

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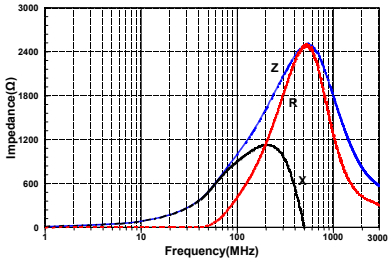

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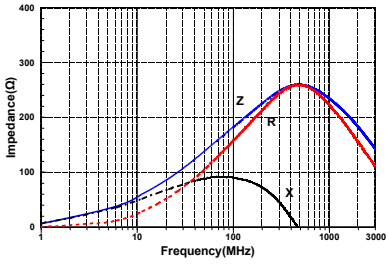

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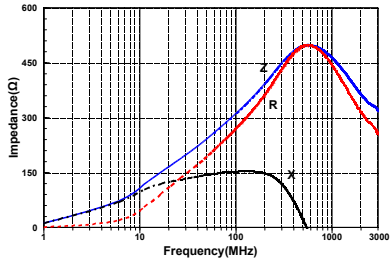

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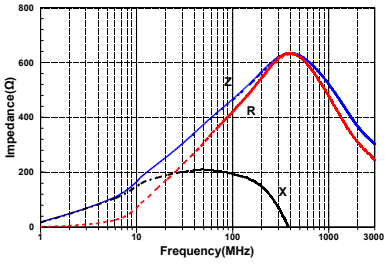

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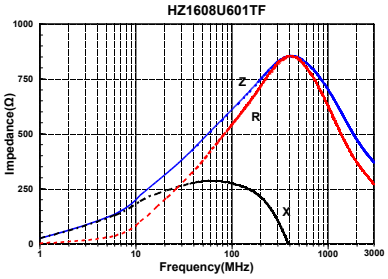
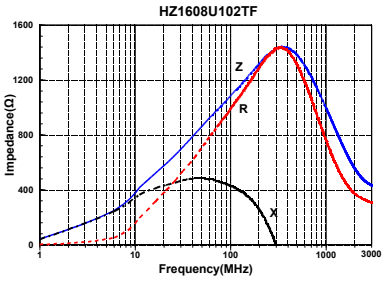
DETAIL ELECTRICAL CHARACTERISTICS

HZ1608 TYPE





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