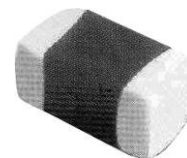


Multilayer Chip Ferrite Bead – SZ Series

Operating Temp. : -55°C~+125°C



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
- Three types material and wide range of impedance values for various applications

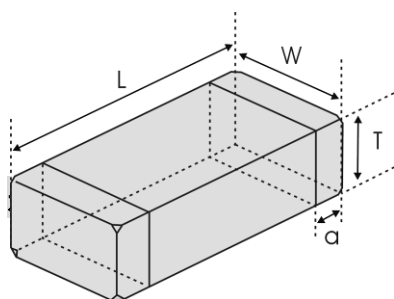
APPLICATIONS

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

PRODUCT IDENTIFICATION

<u>SZ</u> ①	<u>1608</u> ②	<u>G</u> ③	<u>121</u> ④	<u>T</u> ⑤	<u>F</u> ⑥																																				
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SHAPE AND DIMENSIONS



Unit: mm [inch]

Type	L	W	T	a
SZ0603 [0201]	0.6±0.05 [.024±.002]	0.3±0.05 [.012±.002]	0.3±0.05 [.012±.002]	0.15±0.05 [.006±.002]
SZ1005 [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]
SZ1608 [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]
SZ2012 [0805]	2.0 (+0.3, -0.1) [.079 (+.012, -.004)]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008]	0.5±0.3 [.020±.012]

SPECIFICATIONS

SZ0603 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	I _r	T
SZ0603G100TF	10±25%	100	0.25	200	0.3±0.05 [.012±.002]
SZ0603G220TF	22±25%	100	0.45	200	
SZ0603G330TF	33±25%	100	0.55	150	
SZ0603G470TF	47±25%	100	0.70	150	
SZ0603G560TF	56±25%	100	1.00	100	

SZ1005 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	I _r	T
SZ1005F050TF	0~10	100	0.10	300	0.5±0.15 [.020±.006]
SZ1005F100TF	5~15	100	0.20	300	
SZ1005F330TF	33±25%	100	0.40	300	
SZ1005F470TF	47±25%	100	0.60	200	
SZ1005F560TF	56±25%	100	0.80	200	
SZ1005G050TF	0~15	100	0.15	600	
SZ1005G300TF	30±25%	100	0.15	600	
SZ1005G750TF	75±25%	100	0.30	600	
SZ1005G121TF	120±25%	100	0.40	400	
SZ1005G221TF	220±25%	100	0.70	200	
SZ1005K750TF	75±25%	100	0.30	600	
SZ1005K121TF	120±25%	100	0.40	400	
SZ1005K221TF	220±25%	100	0.70	200	
SZ1005K301TF	300±25%	100	0.80	200	
SZ1005K421TF	420±25%	100	1.00	150	
SZ1005K601TF	600±25%	100	1.10	100	
SZ1005K102TF	1000±25%	100	1.20	100	
SZ1005K152TF	1500±25%	100	1.40	100	
SZ1005K182TF	1800±25%	100	1.80	50	

SZ1608 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	I _r	T
SZ1608F050TF	0~10	100	0.20	500	0.8±0.15 [.031±.006]
SZ1608F100TF	5~15	100	0.25	500	
SZ1608F220TF	22±25%	100	0.35	500	
SZ1608F470TF	47±25%	100	0.55	300	
SZ1608F750TF	75±25%	100	0.70	300	
SZ1608F121TF	120±25%	100	0.90	200	
SZ1608G050TF	0~15	100	0.10	800	
SZ1608G220TF	22±25%	100	0.20	800	
SZ1608G600TF	60±25%	100	0.30	600	
SZ1608G121TF	120±25%	100	0.45	600	
SZ1608G221TF	220±25%	100	0.55	500	
SZ1608G331TF	330±25%	100	0.70	500	
SZ1608G471TF	470±25%	100	0.80	400	
SZ1608G601TF	600±25%	100	1.10	200	
SZ1608G102TF	1000±25%	100	1.20	150	
SZ1608K121TF	120±25%	100	0.40	600	

SPECIFICATIONS

SZ1608 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	I _r	T
SZ1608K221TF	220±25%	100	0.45	500	0.8±0.15 [.031±.006]
SZ1608K331TF	330±25%	100	0.50	500	
SZ1608K421TF	420±25%	100	0.55	400	
SZ1608K471TF	470±25%	100	0.55	400	
SZ1608K601TF	600±25%	100	0.60	200	
SZ1608K102TF	1000±25%	100	0.80	200	
SZ1608K152TF	1500±25%	100	0.80	200	
SZ1608K202TF	2000±25%	100	1.00	200	
SZ1608K222TF	2200±25%	100	1.00	200	
SZ1608K252TF	2500±25%	100	1.20	200	
SZ1608K272TF	2700±25%	100	1.40	200	

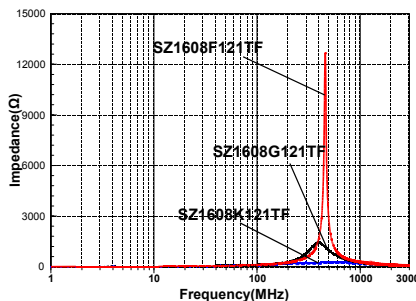
SZ2012 TYPE

Part Number	Impedance	Z Test Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	Ω	MHz	Ω	mA	mm [inch]
Symbol	Z	Freq.	DCR	I _r	T
SZ2012G050TF	0~15	100	0.07	1000	0.85±0.2 [.033±.008]
SZ2012G300TF	30±25%	100	0.10	1000	
SZ2012G600TF	60±25%	100	0.20	800	
SZ2012G121TF	120±25%	100	0.25	600	
SZ2012G221TF	220±25%	100	0.30	600	
SZ2012G421TF	420±25%	100	0.40	600	
SZ2012G601TF	600±25%	100	0.45	600	
SZ2012G102TF	1000±25%	100	0.50	500	
SZ2012K121TF	120±25%	100	0.20	600	
SZ2012K221TF	220±25%	100	0.25	600	
SZ2012K301TF	300±25%	100	0.30	600	
SZ2012K601TF	600±25%	100	0.35	600	
SZ2012K102TF	1000±25%	100	0.40	500	
SZ2012K152TF	1500±25%	100	0.45	200	
SZ2012K222TF	2200±25%	100	0.60	200	
SZ2012K252TF	2500±25%	100	0.70	200	
SZ2012K272TF	2700±25%	100	0.80	200	

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

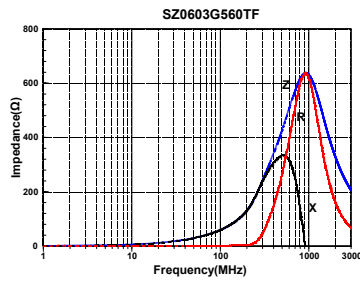
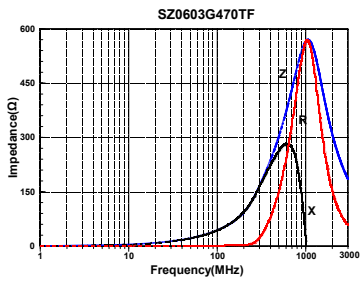
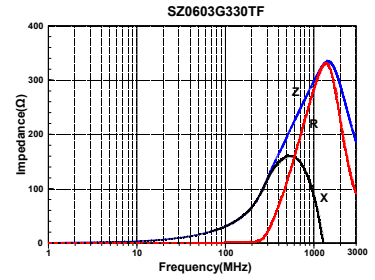
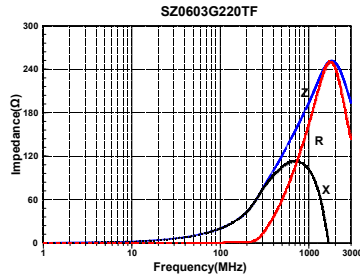
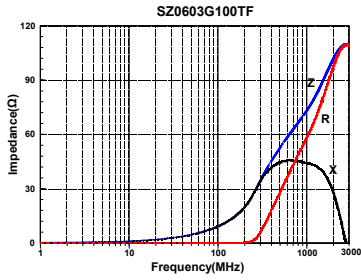
TYPICAL ELECTRICAL CHARACTERISTICS

F, G, K Material Comparison

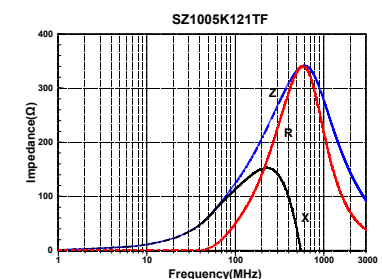
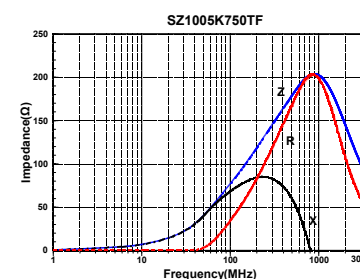
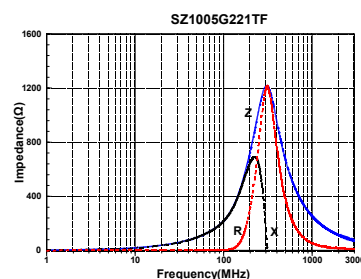
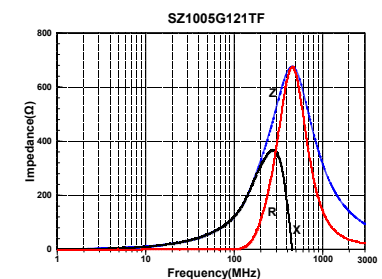
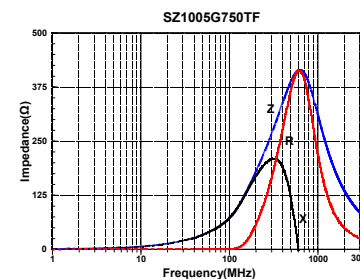
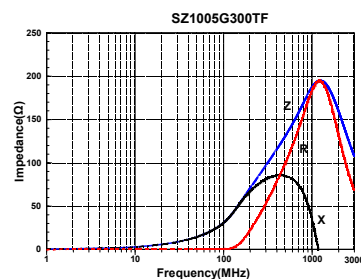
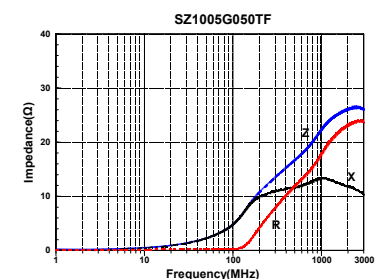
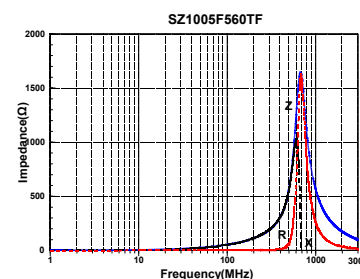
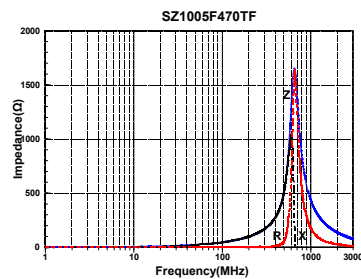
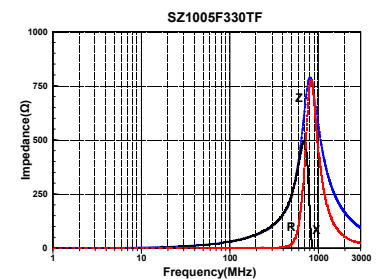
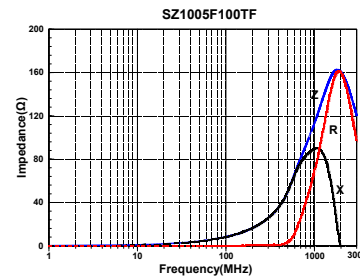
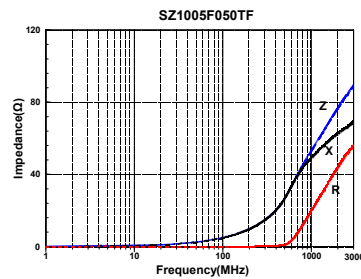


DETAIL ELECTRICAL CHARACTERISTICS

SZ0603 TYPE

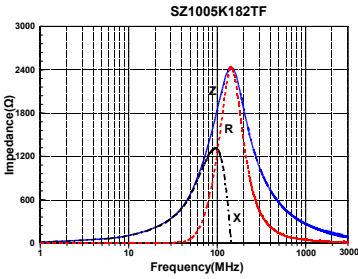
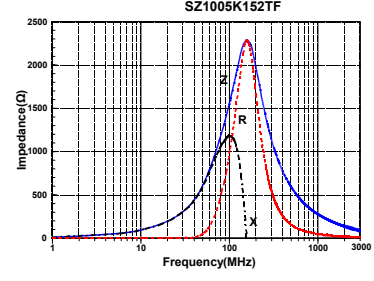
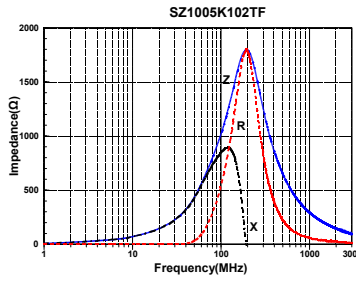
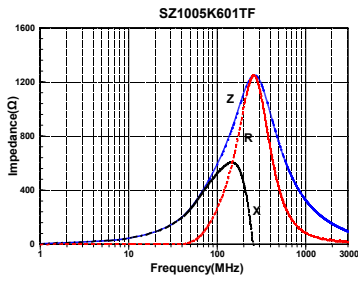
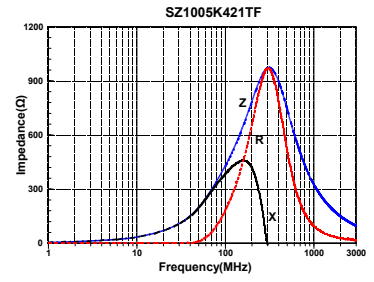
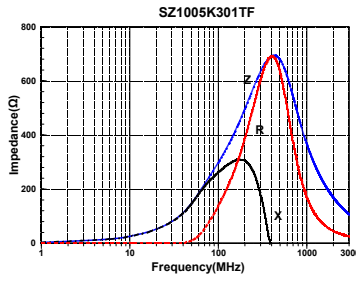
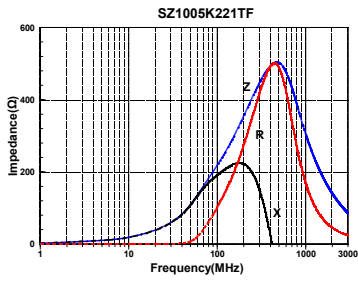


SZ1005 TYPE

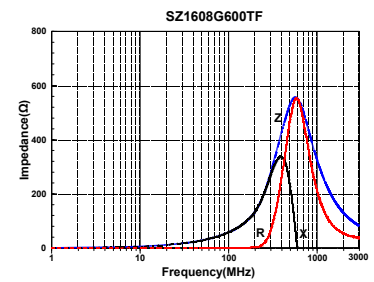
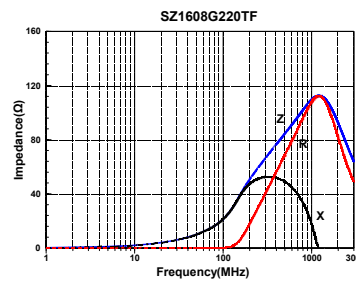
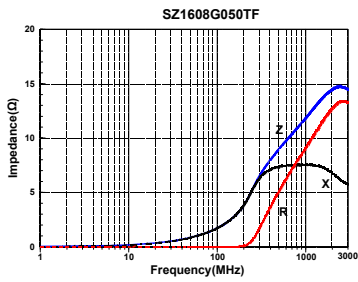
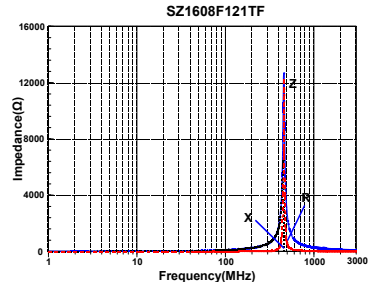
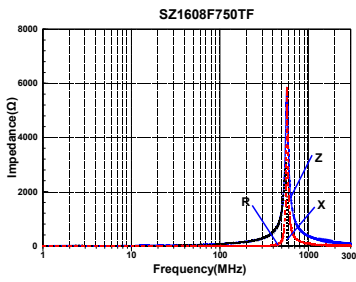
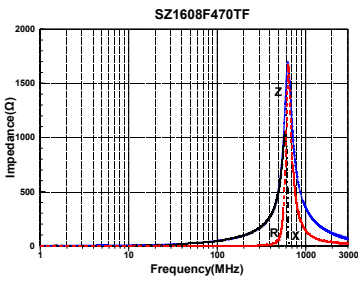
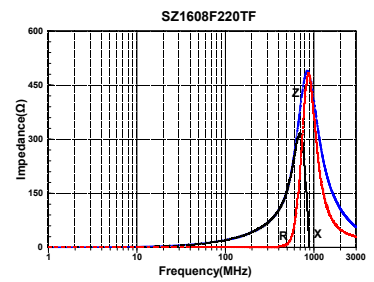
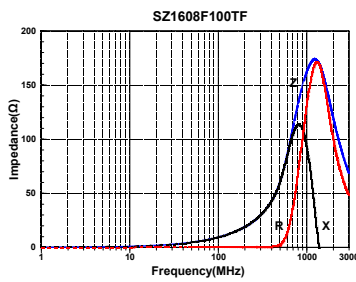
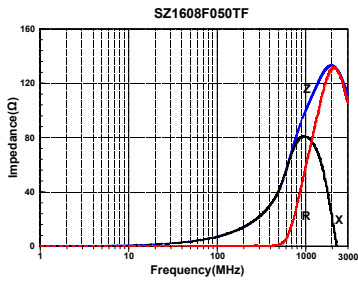


DETAIL ELECTRICAL CHARACTERISTICS

SZ1005 TYPE



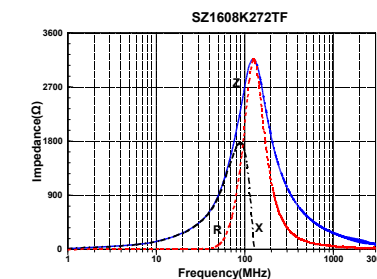
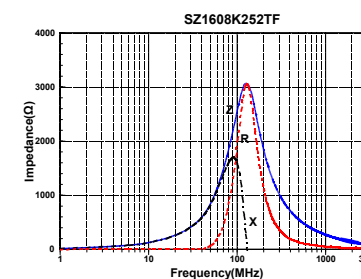
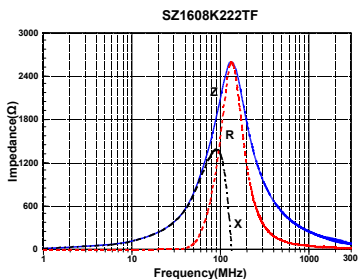
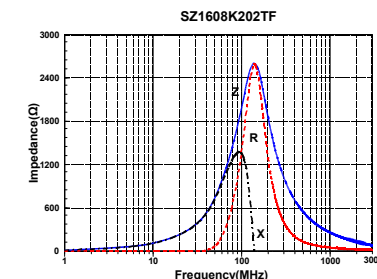
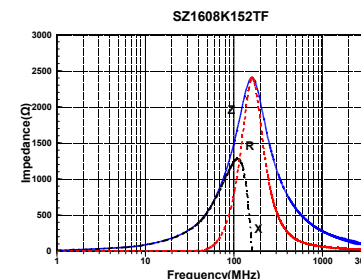
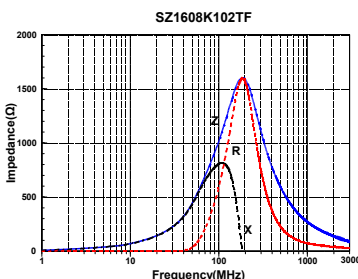
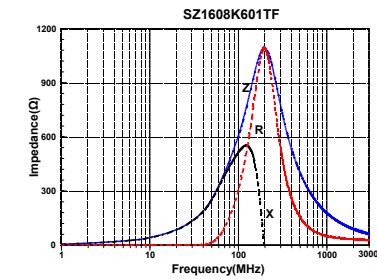
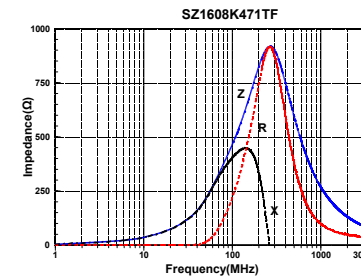
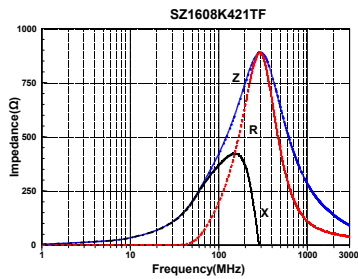
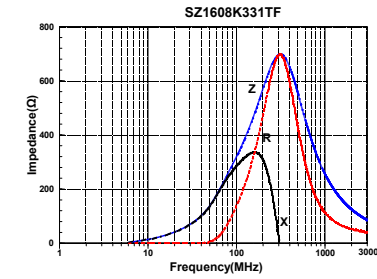
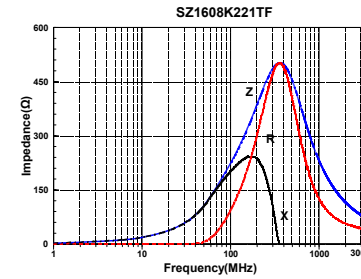
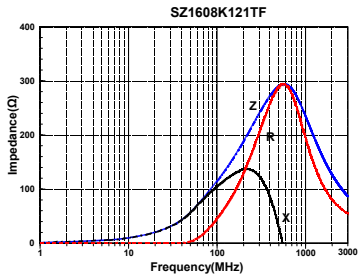
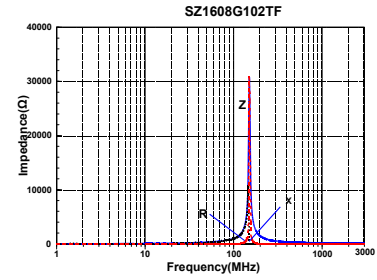
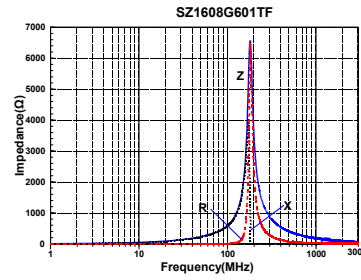
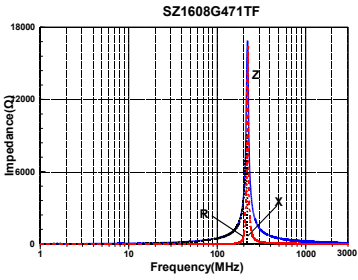
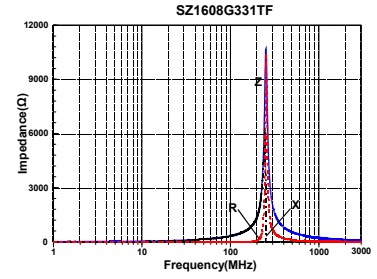
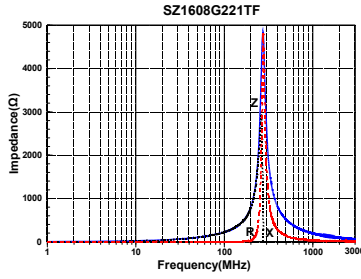
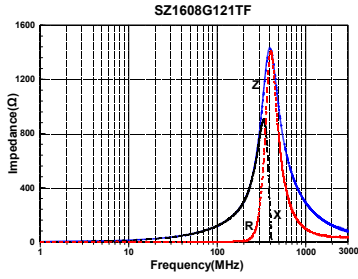
SZ1608 TYPE



Specifications subject to change without notice. Please check our website for latest information. Revised 2016/04/15

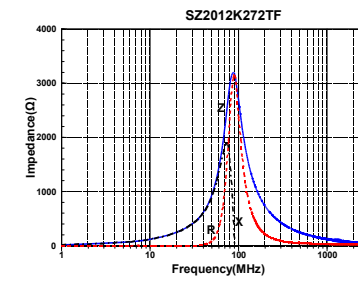
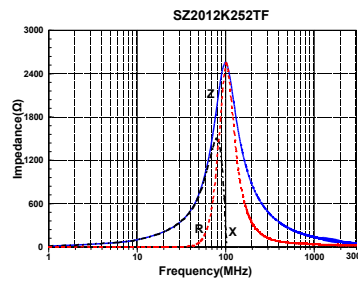
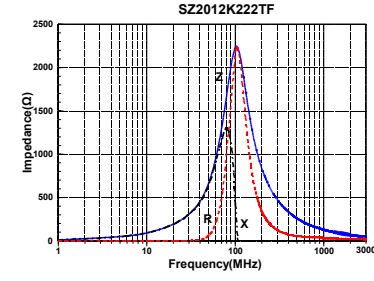
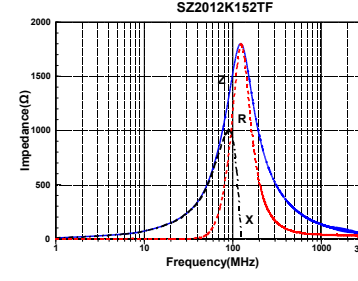
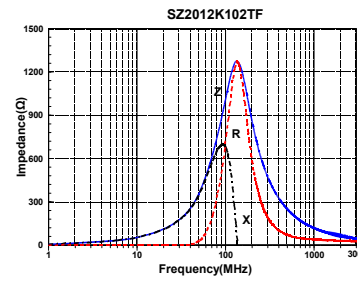
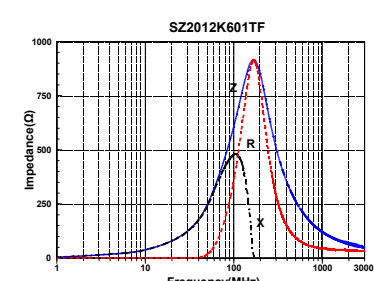
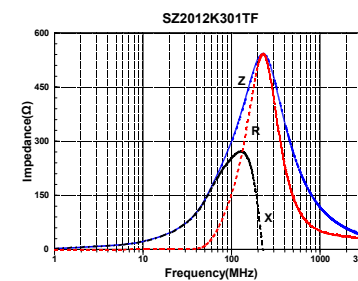
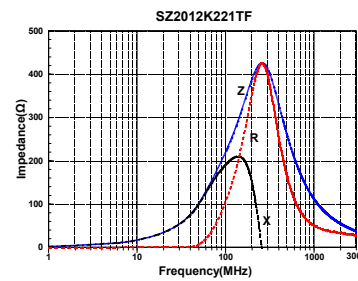
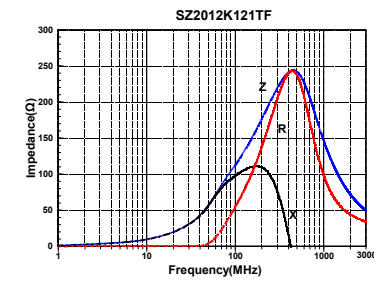
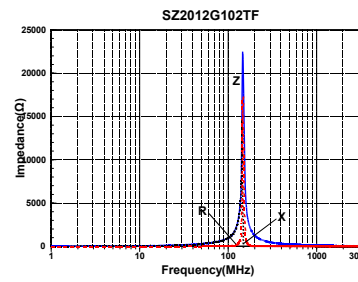
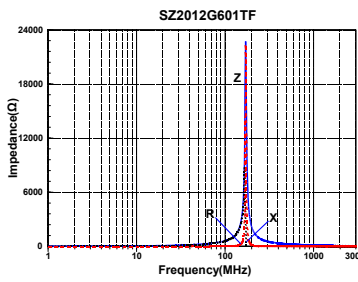
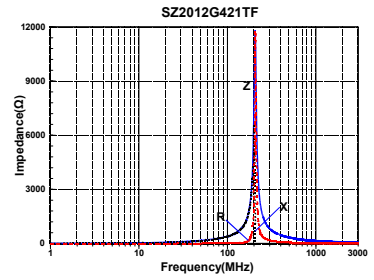
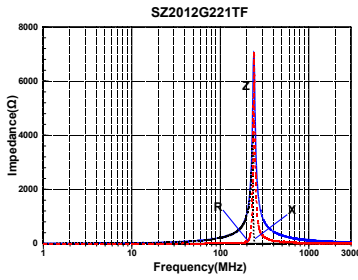
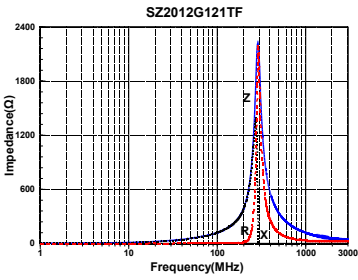
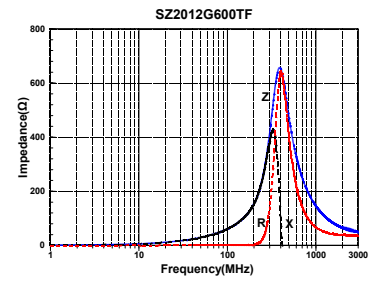
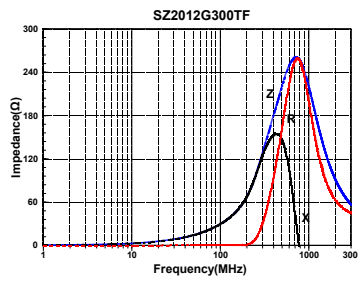
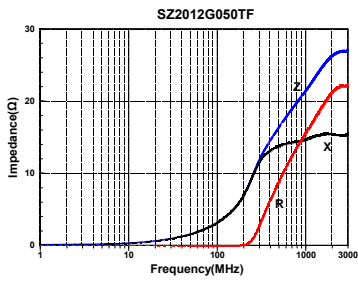
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SZ1608 TYPE



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