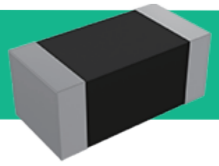
叠层片式铁氧体磁珠—SZ 系列
Multilayer Chip Ferrite Bead – SZ Series



工作温度
Operating Temp

- -55°C ~+125°C

特征
Features

- 内部印有银电极的叠层结构，铁氧体屏蔽无串扰
- 在某一频率区域内，其阻抗值急剧上升，从而在特定的频率区域内可获得较高的衰减效果而对信号不产生影响
- 三种铁氧体材料、阻抗范围宽，适用于不同的电子线路

- 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

用途
Applications

- 电脑及周边设备，机顶盒、LCD TV 等音视频设备，通讯设备，办公自动化等电子设备的高速信号线的噪声抑制

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

产品型号
Product Identification

1	2	3	4	5	6
SZ	1608	G	121	T	F

1 分类 Type

SZ	片式铁氧体尖峰磁珠 Chip Ferrite Bead For High Speed

2 外形尺寸 (L×W) (mm)
External Dimensions (L×W) (mm)

0603 [0201]	0.6×0.3
1005 [0402]	1.0×0.5
1608 [0603]	1.6×0.8
2012 [0805]	2.0×1.25

3 材料代号 Material Code

F, G, K,Q

4 公称阻抗值 Nominal Impedance

Example	Nominal Value
300	30Ω
121	120Ω
102	1000Ω

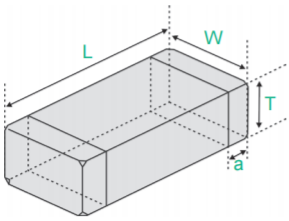
5 包装 Packing

T	编带 Tape & Reel

6 无有害物质产品
Hazardous Substance Free Products

F

外观尺寸
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]

规格特性
Specifications

SZ0603 TYPE

型号 Part Number	阻抗 Impedance	阻抗的测试频率 Z Test Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	Ir	T
SZ0603F330TF	33±25%	100	0.85	150	0.3±0.05 [.012±.002]
SZ0603F560TF	56±25%	100	1.05	100	
SZ0603F800TF	80±25%	100	1.40	100	
SZ0603G100TF	10±25%	100	0.25	200	
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	
SZ0603G800TF	80±25%	100	1.30	100	
SZ0603G121TF	120±25%	100	1.50	100	
SZ0603K100TF	5~15	100	0.40	300	
SZ0603K220TF	22±25%	100	0.50	200	
SZ0603K470TF	47±25%	100	0.70	200	
SZ0603K750TF	75±25%	100	1.00	200	
SZ0603K121TF	120±25%	100	1.50	100	

SZ1005 TYPE

型号 Part Number	阻抗 Impedance	阻抗的测试频率 Z Test Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	Ir	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	
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

型号 Part Number	阻抗 Impedance	阻抗的测试频率 Z Test Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	Ir	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	

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规格特性
Specifications

SZ1608 TYPE

型号 Part Number	阻抗 Impedance	阻抗的测试频率 Z Test Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	Ir	T
SZ1608G050TF	0~15	100	0.10	800	0.8±0.15 [.031±.006]
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	
SZ1608K221TF	220±25%	100	0.45	500	
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

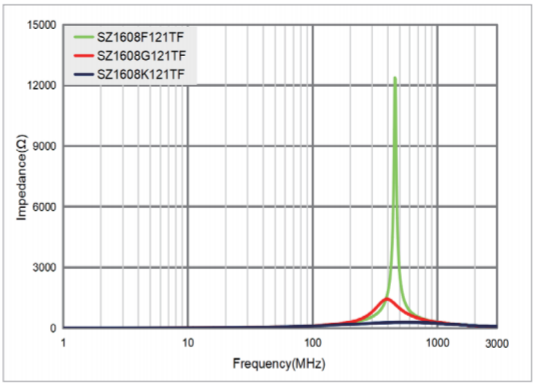
型号 Part Number	阻抗 Impedance	阻抗的测试频率 Z Test Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	Ir	T
SZ2012G050TF	0~15	100	0.07	1000	0.85±0.2 [.033±.008]
SZ2012G600TF	60±25%	100	0.20	800	
SZ2012G121TF	120±25%	100	0.25	600	
SZ2012G221TF	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	

※: 可根据客户需求提供其他电气特性产品，请联系您当地的销售人员。
※: Products with other Electrical Characteristics can be provided upon customer's request. Please contact your local sales.

电气特性

Typical Electrical Characteristics

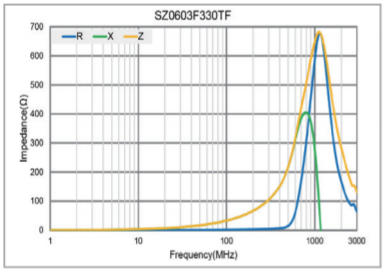
F, G, K Material Comparison

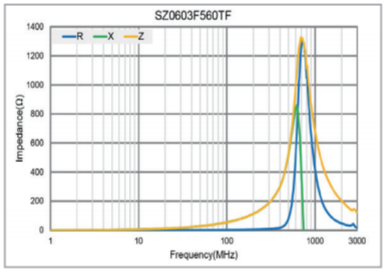


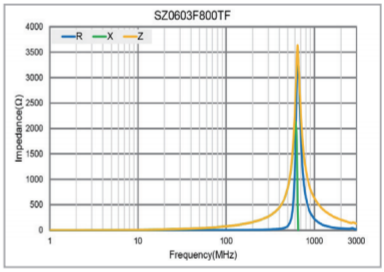
电气特性

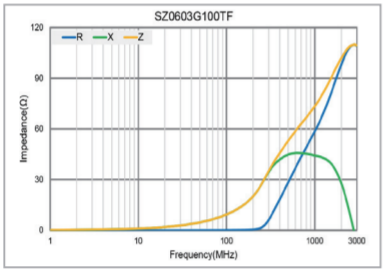
Detail Electrical Characteristics

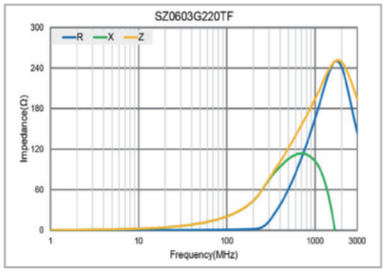
SZ0603 TYPE

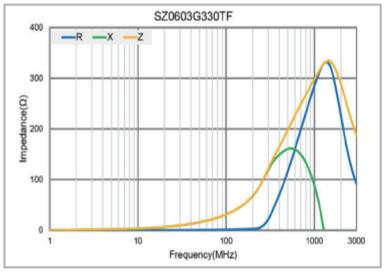


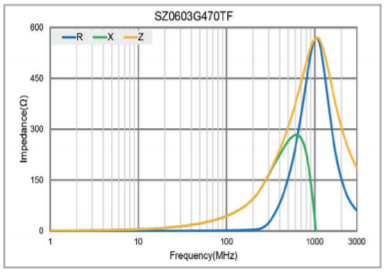


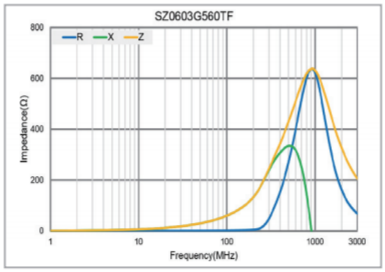


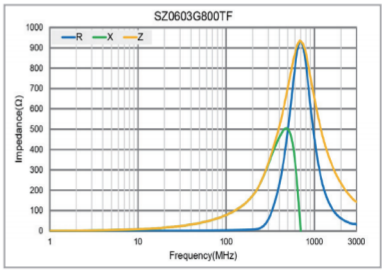


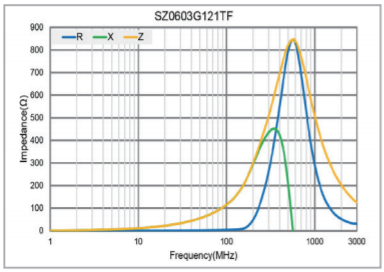


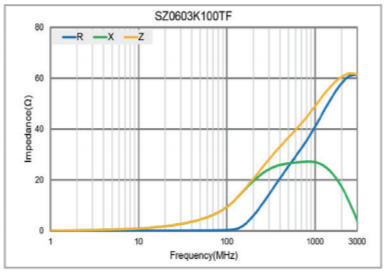


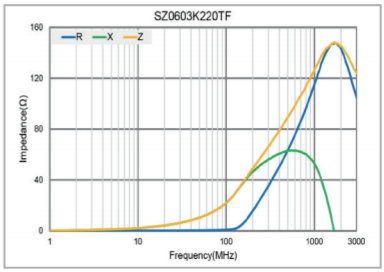












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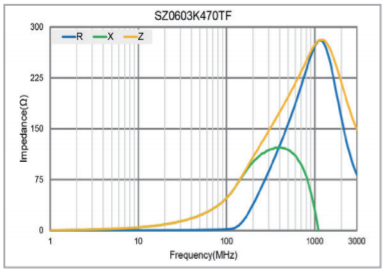
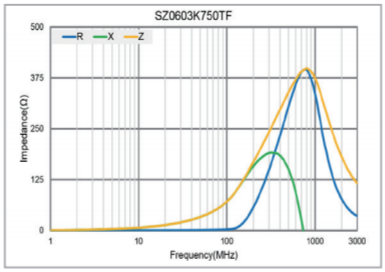
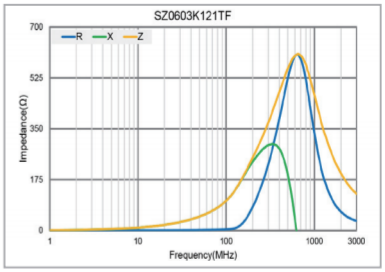
电气特性

Detail Electrical Characteristics

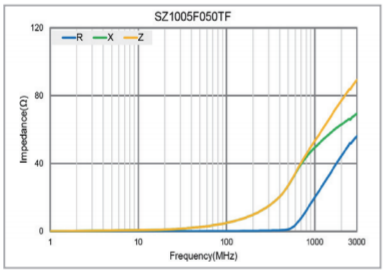
SZ0603 TYPE

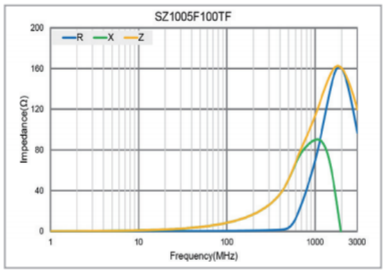


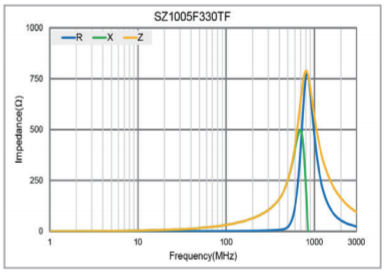


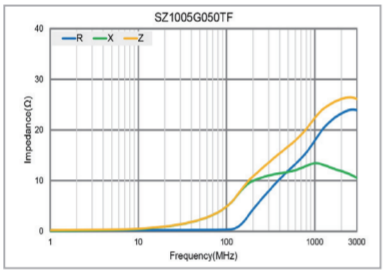


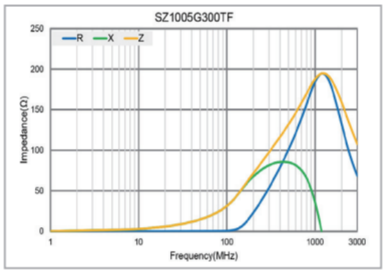
SZ1005 TYPE

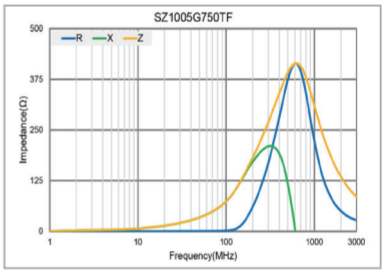


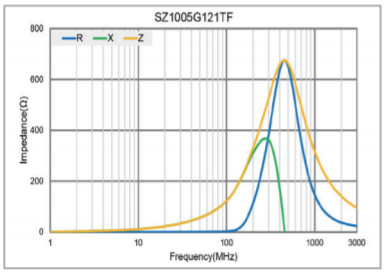


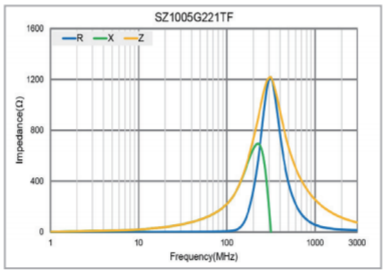


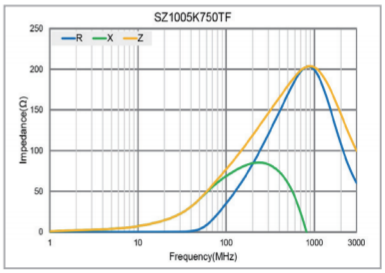


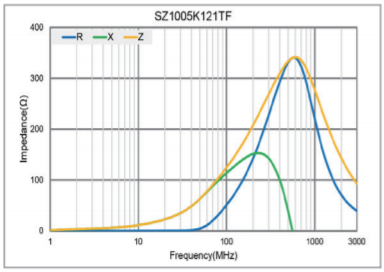


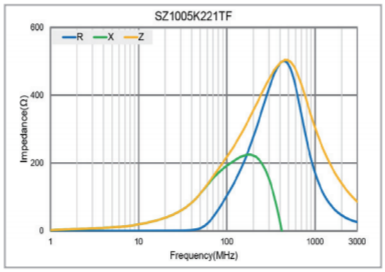


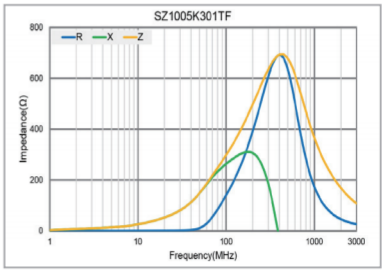








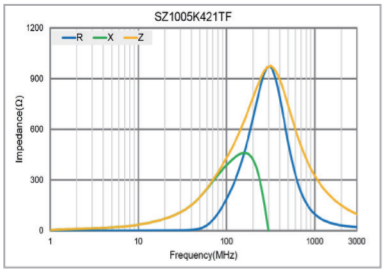


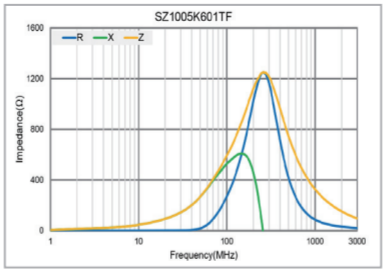


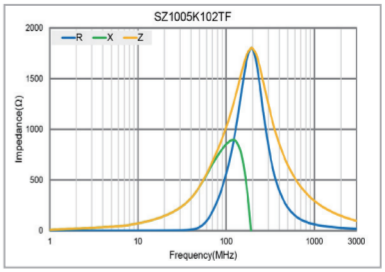
电气特性

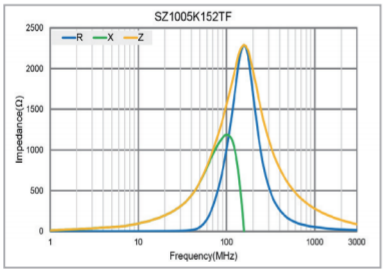
Detail Electrical Characteristics

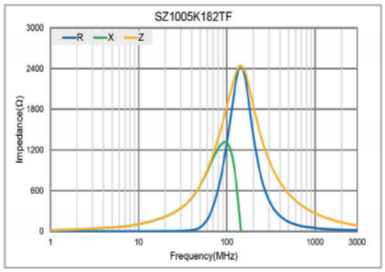
SZ1005 TYPE



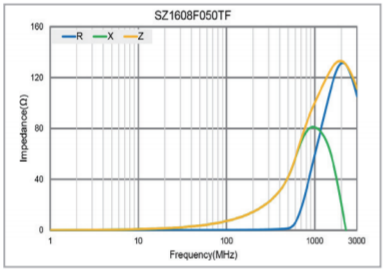


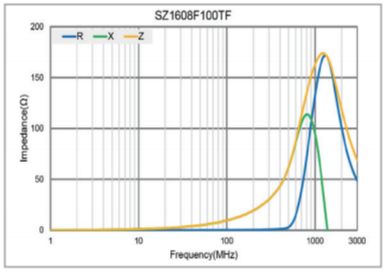


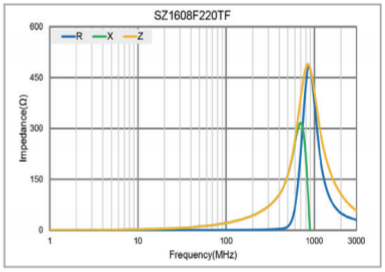


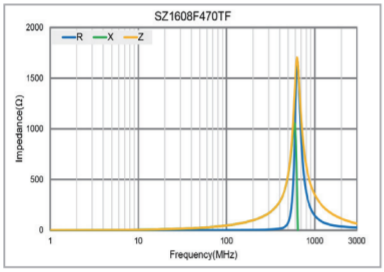


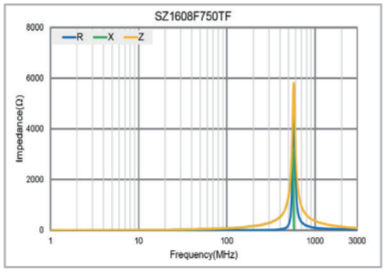
SZ1608 TYPE

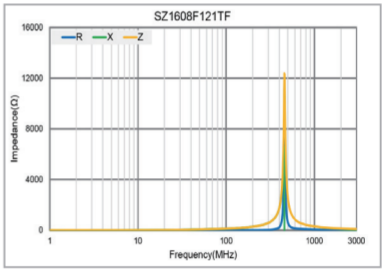


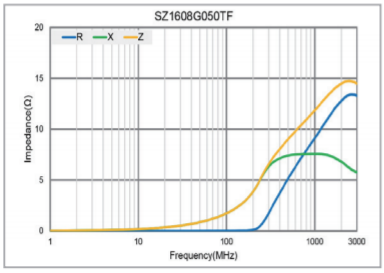


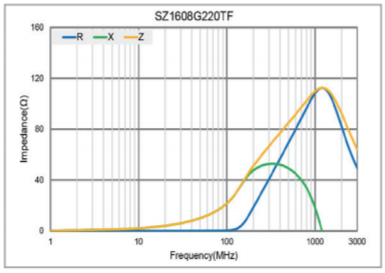


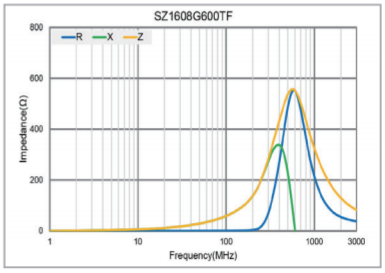












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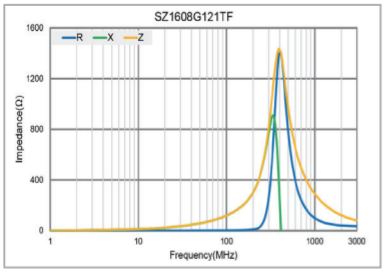
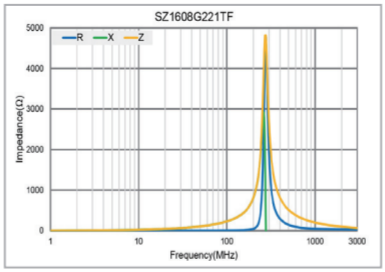
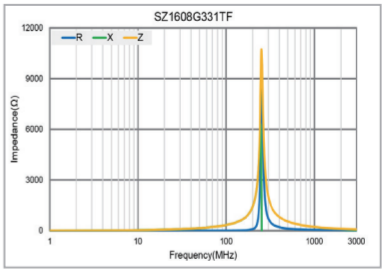
电气特性

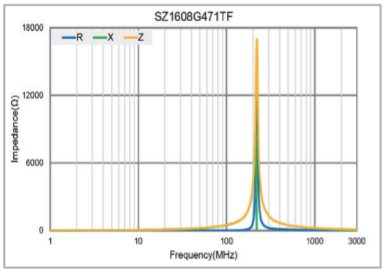
Detail Electrical Characteristics

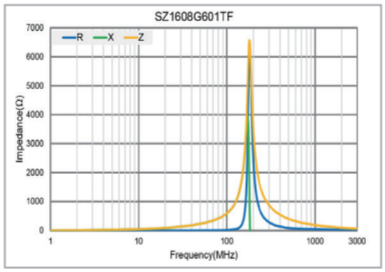
SZ1608 TYPE

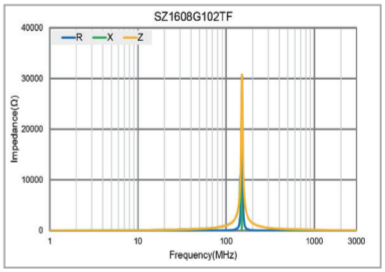


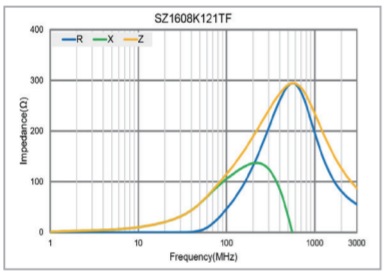


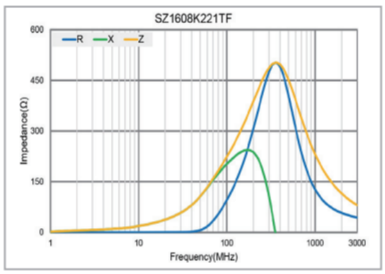


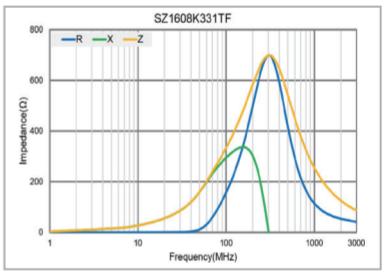


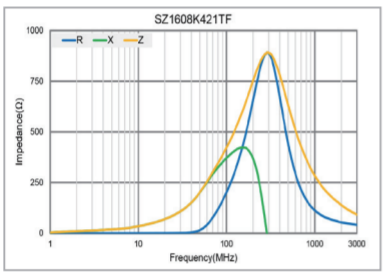


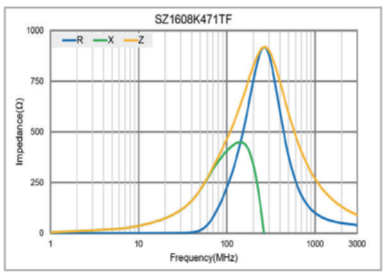


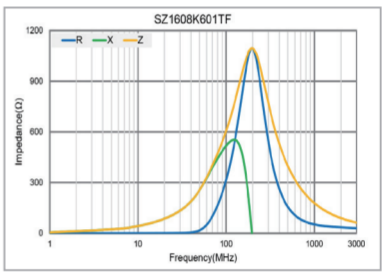


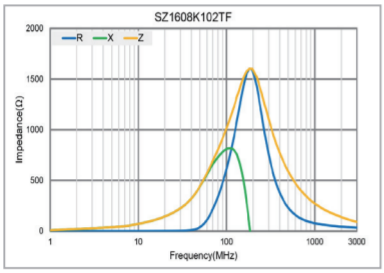


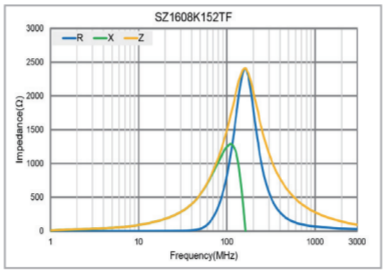


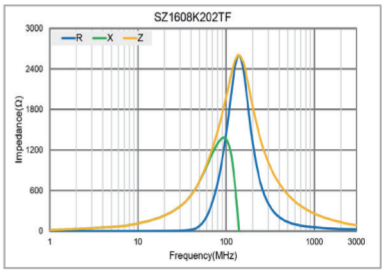


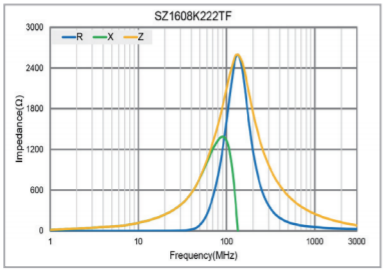


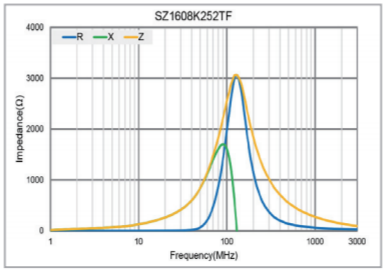


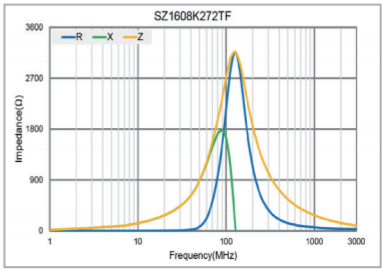








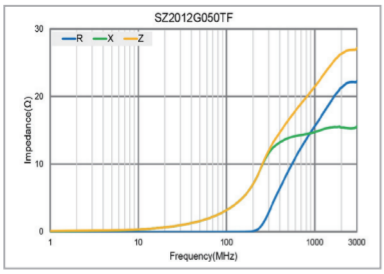


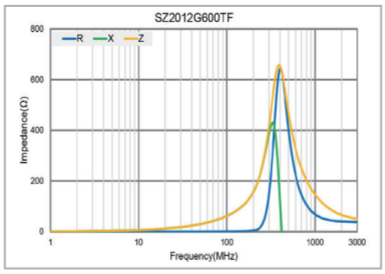


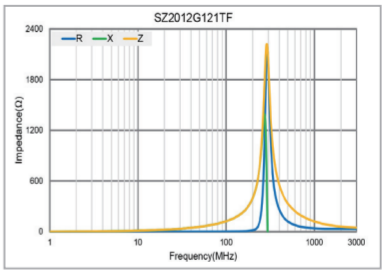
电气特性

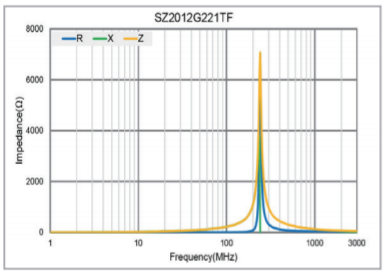
Detail Electrical Characteristics

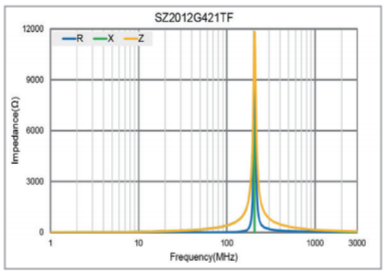
SZ2012 TYPE

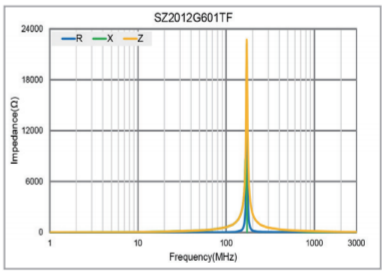


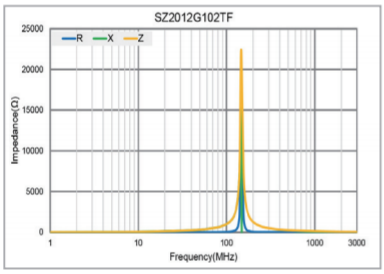


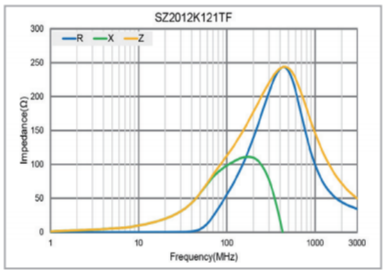


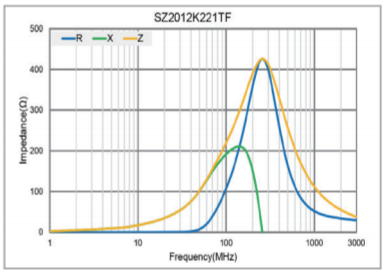


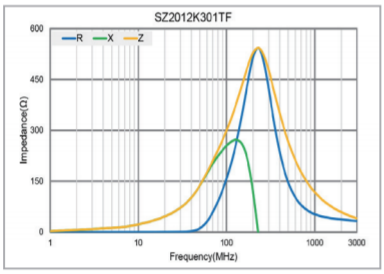


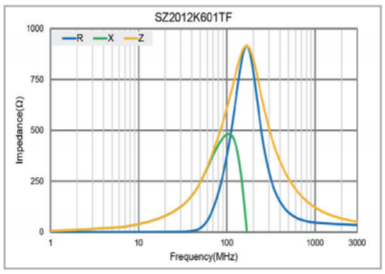


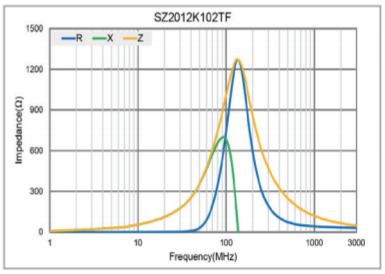


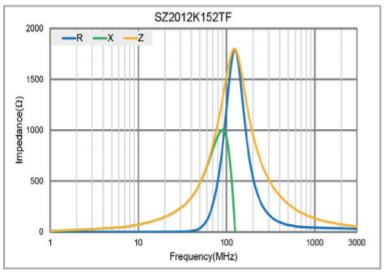


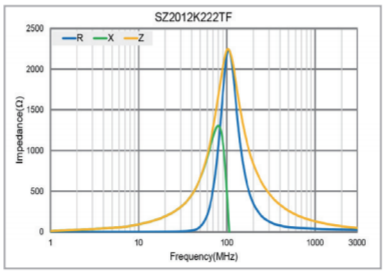


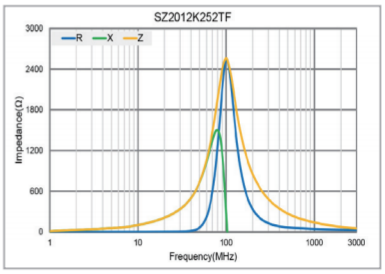


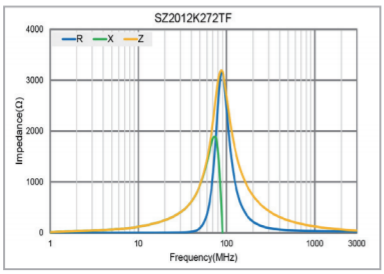












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