

EMC对策专用磁珠—TLEB系列

EMC Chip Ferrite Bead – TLEB Series

Operating Temp. : -55℃~+125℃



特征

- 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
- 两种铁氧体材料、阻抗范围宽，适用于不同的电子线路

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

用途

- 电脑及周边设备，DVD、照相机、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

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.

产品型号

PRODUCT IDENTIFICATION

TLEB **1608** **G** **121** **T** **F**
① ② ③ ④ ⑤ ⑥

①	
分类 Type	
TLEB	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, B	

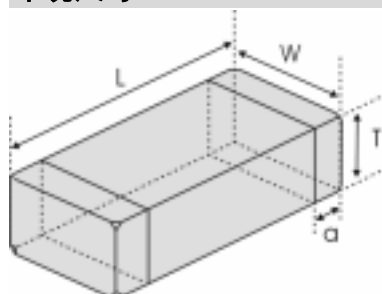
④	
公称阻抗值 Nominal Impedance	
Example	Nominal Value
300	30Ω
121	120Ω
102	1000Ω

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
TLEB0603 [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]
TLEB1005 [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]
TLEB1608 [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]
TLEB2012 [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

TLEB0603 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	Ω	MHz	Ω	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I _r	T
TLEB0603G100TF	10 $\pm$ 25%	100	0.25	200	0.3 $\pm$ 0.05 [.012 $\pm$.002]
TLEB0603G220TF	22 $\pm$ 25%	100	0.45	200	
TLEB0603G330TF	33 $\pm$ 25%	100	0.55	150	
TLEB0603G470TF	47 $\pm$ 25%	100	0.7	150	
TLEB0603G560TF	56 $\pm$ 25%	100	1.0	100	

TLEB1005 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	Ω	MHz	Ω	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I _r	T
TLEB1005G050TF	0~15	100	0.15	600	0.5 $\pm$ 0.15 [.020 $\pm$.006]
TLEB1005G300TF	30 $\pm$ 25%	100	0.15	600	
TLEB1005G750TF	75 $\pm$ 25%	100	0.30	600	
TLEB1005G121TF	120 $\pm$ 25%	100	0.40	400	
TLEB1005G221TF	220 $\pm$ 25%	100	0.70	200	
TLEB1005K750TF	75 $\pm$ 25%	100	0.30	600	
TLEB1005K121TF	120 $\pm$ 25%	100	0.40	400	
TLEB1005K221TF	220 $\pm$ 25%	100	0.70	200	
TLEB1005K301TF	300 $\pm$ 25%	100	0.80	200	
TLEB1005K421TF	420 $\pm$ 25%	100	1.00	150	
TLEB1005K601TF	600 $\pm$ 25%	100	1.10	100	
TLEB1005K102TF	1000 $\pm$ 25%	100	1.20	100	
TLEB1005B152TF	1500 $\pm$ 25%	100	1.40	100	
TLEB1005B182TF	1800 $\pm$ 25%	100	1.80	50	

TLEB1608 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	Ω	MHz	Ω	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I _r	T
TLEB1608F050TF	0~10	100	0.20	500	0.8 $\pm$ 0.15 [.031 $\pm$.006]
TLEB1608F100TF	5~15	100	0.25	500	
TLEB1608F220TF	22 $\pm$ 25%	100	0.35	500	
TLEB1608F470TF	47 $\pm$ 25%	100	0.55	300	
TLEB1608F750TF	75 $\pm$ 25%	100	0.70	300	
TLEB1608F121TF	120 $\pm$ 25%	100	0.90	200	
TLEB1608G050TF	0~15	100	0.10	800	
TLEB1608G220TF	22 $\pm$ 25%	100	0.20	800	
TLEB1608G600TF	60 $\pm$ 25%	100	0.30	600	
TLEB1608G121TF	121 $\pm$ 25%	100	0.45	600	
TLEB1608G221TF	220 $\pm$ 25%	100	0.55	500	
TLEB1608G331TF	330 $\pm$ 25%	100	0.70	500	
TLEB1608G471TF	470 $\pm$ 25%	100	0.80	400	
TLEB1608G601TF	600 $\pm$ 25%	100	1.10	200	
TLEB1608G102TF	1000 $\pm$ 25%	100	1.20	150	
TLEB1608K121TF	120 $\pm$ 25%	100	0.40	600	
TLEB1608K221TF	220 $\pm$ 25%	100	0.45	500	
TLEB1608K331TF	330 $\pm$ 25%	100	0.50	500	
TLEB1608K471TF	470 $\pm$ 25%	100	0.55	400	

规格特性

SPECIFICATIONS

TLEB1608 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	Ω	MHz	Ω	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I _r	T
TLEB1608K601TF	600±25%	100	0.60	200	0.8±0.15 [.031±.006]
TLEB1608K102TF	1000±25%	100	0.80	200	
TLEB1608K152TF	1500±25%	100	0.80	200	
TLEB1608K202TF	2000±25%	100	1.00	200	
TLEB1608K222TF	2200±25%	100	1.00	200	
TLEB1608K252TF	2500±25%	100	1.20	200	
TLEB1608K272TF	2700±25%	100	1.40	200	

TLEB2012 TYPE

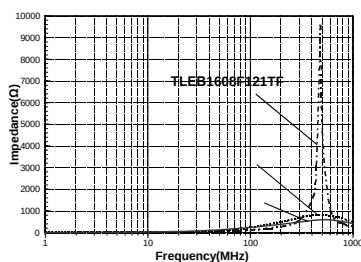
Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	Ω	MHz	Ω	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I _r	T
TLEB2012G050TF	0~15	100	0.07	1000	0.85±0.2 [.033±.008]
TLEB2012G300TF	30±25%	100	0.10	1000	
TLEB2012G600TF	60±25%	100	0.20	800	
TLEB2012G121TF	120±25%	100	0.25	600	
TLEB2012G221TF	220±25%	100	0.30	600	
TLEB2012G301TF	300±25%	100	0.40	600	
TLEB2012G421TF	420±25%	100	0.40	600	
TLEB2012G601TF	600±25%	100	0.45	600	
TLEB2012G102TF	1000±25%	100	0.50	500	
TLEB2012K121TF	120±25%	100	0.20	600	
TLEB2012K221TF	220±25%	100	0.25	600	
TLEB2012K301TF	300±25%	100	0.30	600	
TLEB2012K421TF	420±25%	100	0.30	600	
TLEB2012K601TF	600±25%	100	0.35	600	
TLEB2012K102TF	1000±25%	100	0.40	500	
TLEB2012K152TF	1500±25%	100	0.45	200	
TLEB2012K222TF	2200±25%	100	0.60	200	
TLEB2012K252TF	2500±25%	100	0.70	200	
TLEB2012K272TF	2700±25%	100	0.80	200	

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

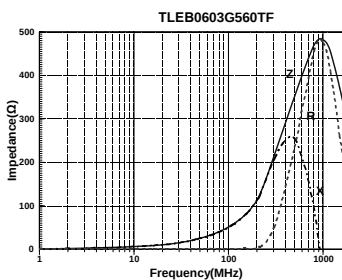
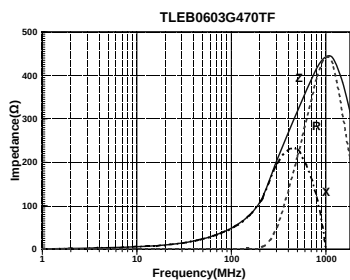
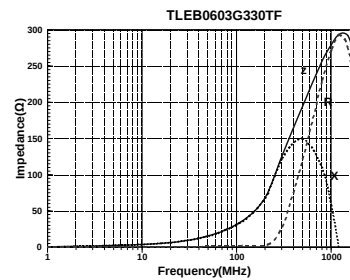
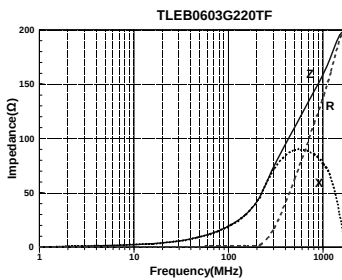
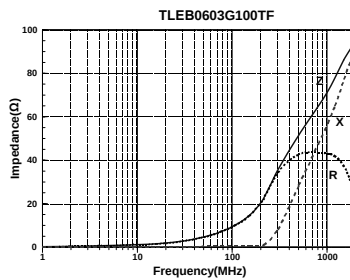
电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

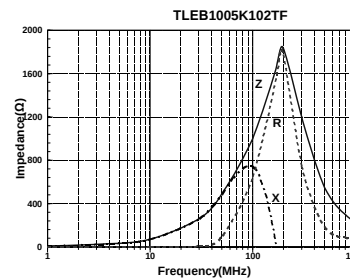
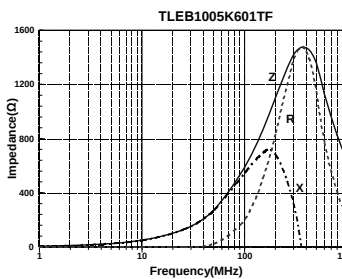
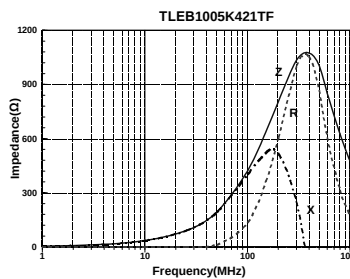
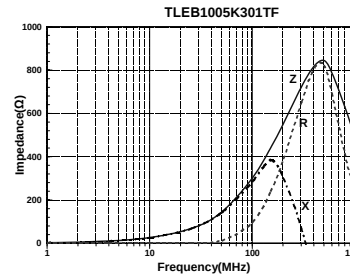
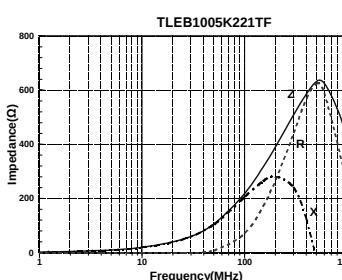
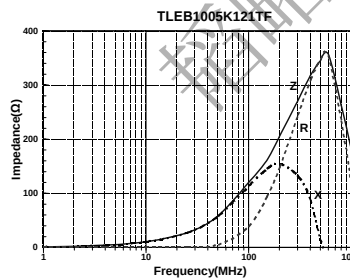
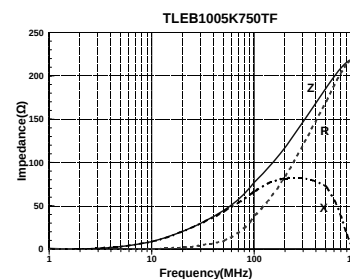
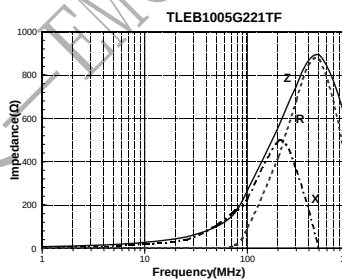
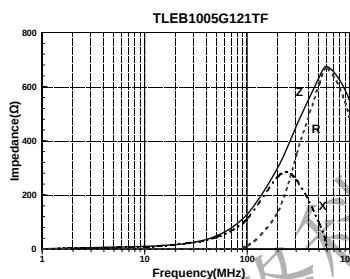
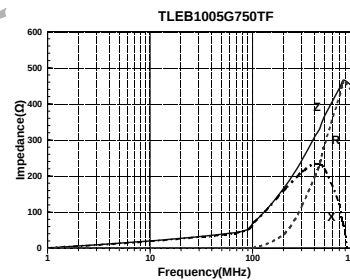
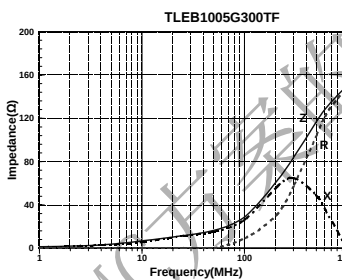
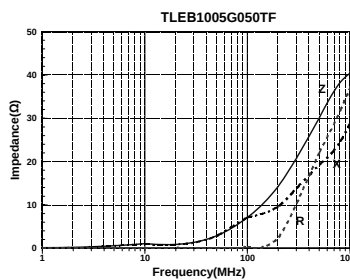
F, G, K Material Comparison



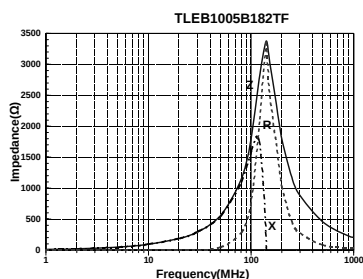
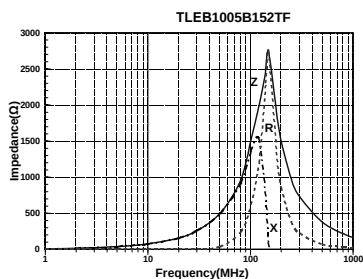
TLEB0603 TYPE



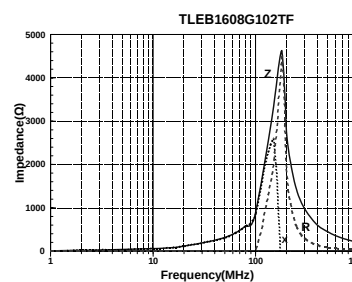
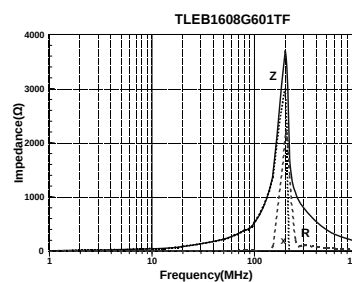
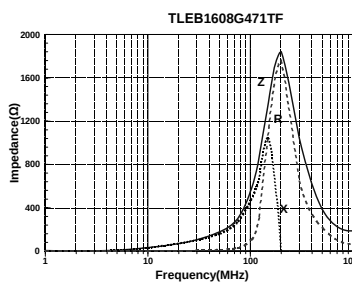
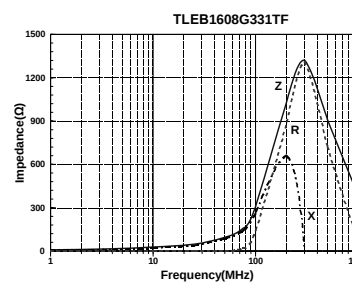
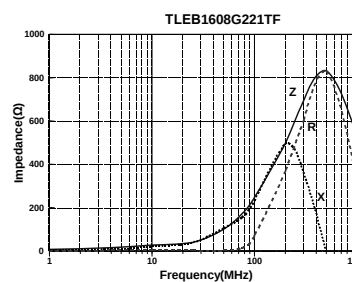
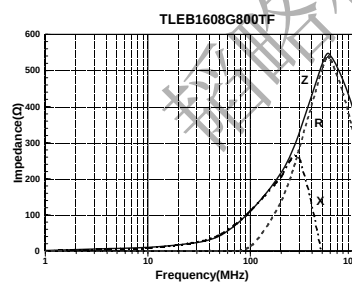
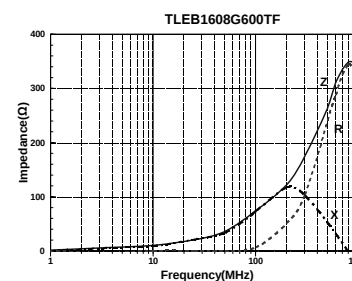
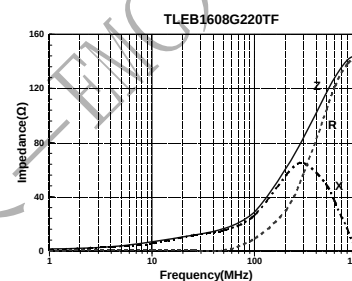
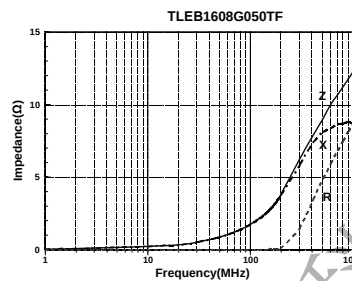
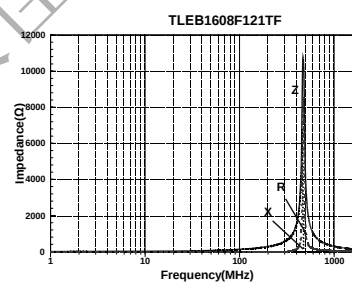
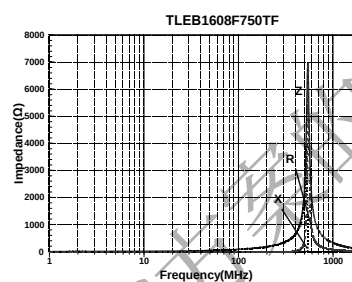
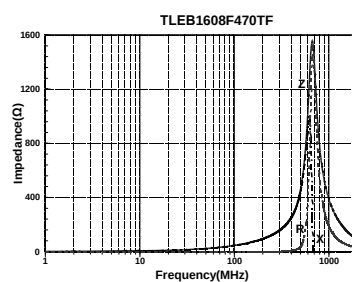
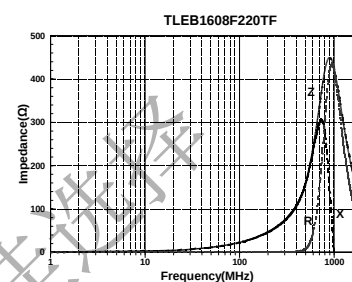
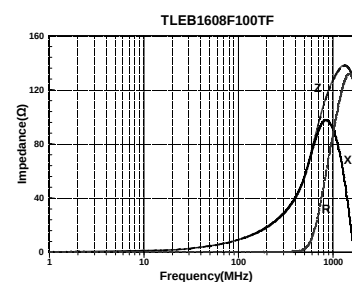
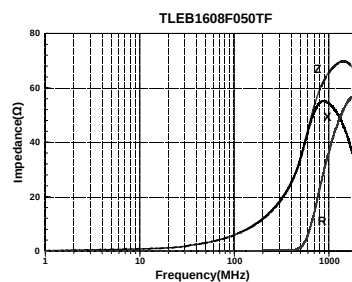
TLEB1005 TYPE



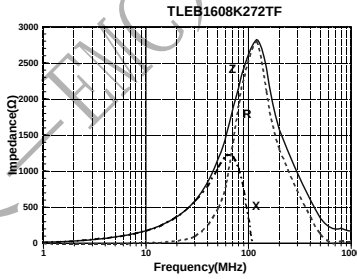
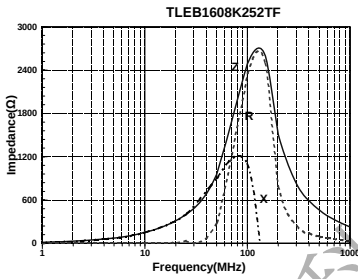
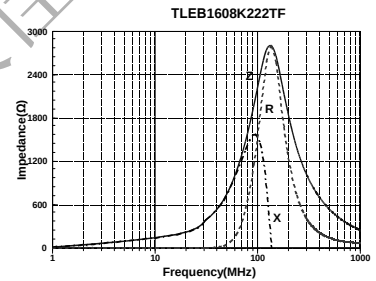
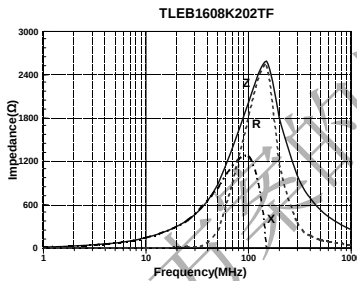
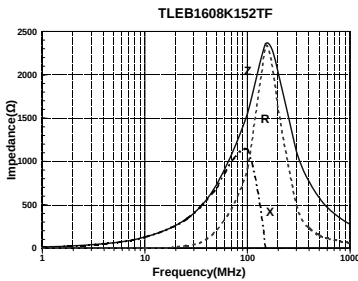
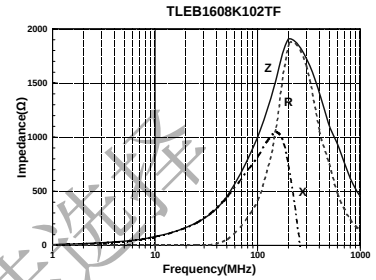
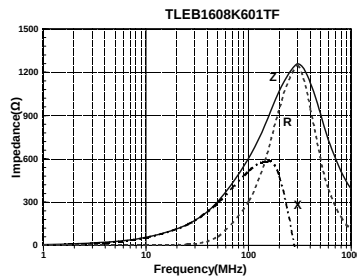
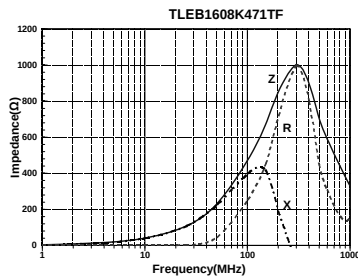
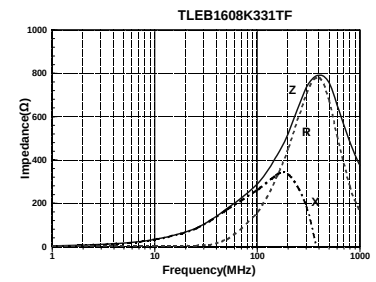
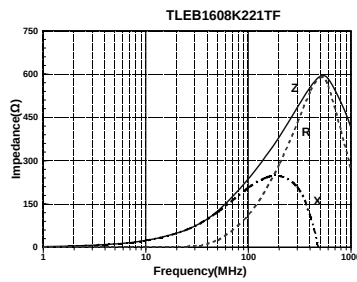
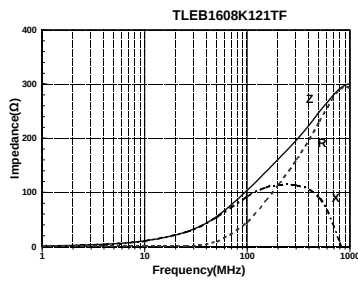
TLEB1005 TYPE



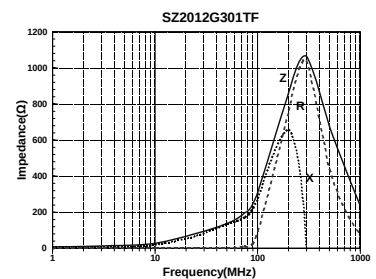
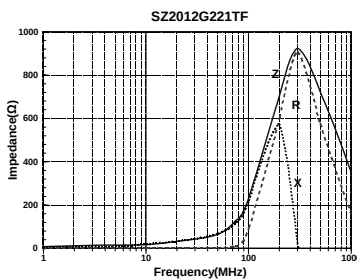
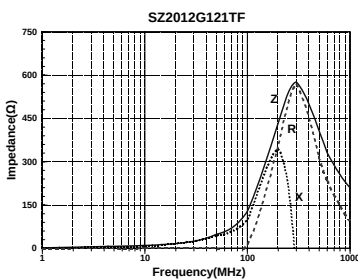
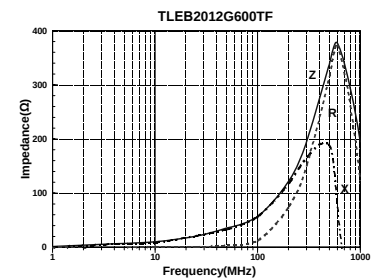
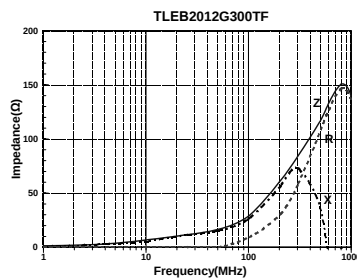
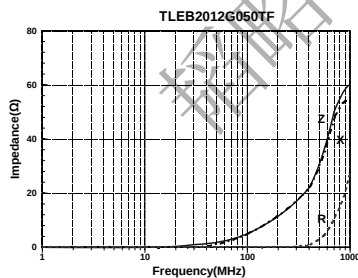
TLEB1608 TYPE



TLEB1608 TYPE



TLEB2012 TYPE



TLEB2012 TYPE

