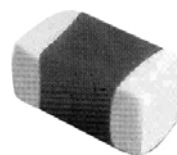


叠层片式铁氧体磁珠—PZ 系列

Multilayer Chip Ferrite Bead – PZ Series

Operating Temp. : -55°C~+125°C



特征

- 内部印有银电极的叠层结构，铁氧体屏蔽无串扰
- 具有较大的额定电流，允许的最大电流为 6A
- 在较宽的频率范围内具有优良的 EMI 抑制效果
- 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
- Large withstand current (allowable current: up to 6A)
- Can be used in a wide range of frequency to suppress EMI
- 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电源线或大电流信号线的噪声抑制

APPLICATIONS

- Noise suppression for power line or large current signal of electric equipments such as computers and peripheral devices, DVD cameras, LCD TVs, communication equipments, OA equipments, etc.

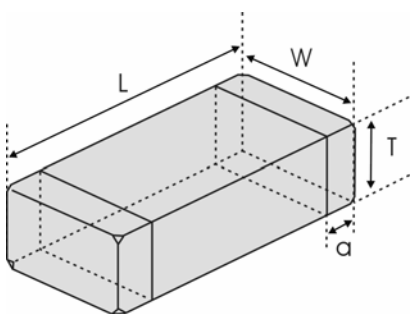
产品型号

PRODUCT IDENTIFICATION

<u>PZ</u> ①	<u>1608</u> ②	<u>D</u> ③	<u>121</u> ④	<u>-1R0</u> ⑤	<u>T</u> ⑥	<u>F</u> ⑦																																														
① <table border="1"> <tr><td colspan="2">分类 Type</td></tr> <tr><td>PZ</td><td>片式铁氧体大电流磁珠 Chip Ferrite Bead For Large Current</td></tr> </table>	分类 Type		PZ	片式铁氧体大电流磁珠 Chip Ferrite Bead For Large Current	② <table border="1"> <tr><td colspan="2">外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)</td></tr> <tr><td>1005 [0402]</td><td>1.0×0.5</td></tr> <tr><td>1608 [0603]</td><td>1.6×0.8</td></tr> <tr><td>2012 [0805]</td><td>2.0×1.25</td></tr> <tr><td>3216 [1206]</td><td>3.2×1.6</td></tr> <tr><td>4516 [1806]</td><td>4.5×1.6</td></tr> </table>	外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)		1005 [0402]	1.0×0.5	1608 [0603]	1.6×0.8	2012 [0805]	2.0×1.25	3216 [1206]	3.2×1.6	4516 [1806]	4.5×1.6	③ <table border="1"> <tr><td colspan="2">材料代号 Material Code</td></tr> <tr><td colspan="2">D, U</td></tr> </table>	材料代号 Material Code		D, U		④ <table border="1"> <tr><td colspan="2">公称阻抗值 Nominal Impedance</td></tr> <tr><td>Example</td><td>Nominal Value</td></tr> <tr><td>300</td><td>30Ω</td></tr> <tr><td>121</td><td>120Ω</td></tr> <tr><td>102</td><td>1000Ω</td></tr> </table>	公称阻抗值 Nominal Impedance		Example	Nominal Value	300	30Ω	121	120Ω	102	1000Ω	⑤ <table border="1"> <tr><td colspan="2">额定电流值 Rated Current</td></tr> <tr><td>1R0</td><td>1.0A</td></tr> <tr><td>2R5</td><td>2.5A</td></tr> <tr><td>R50</td><td>0.5A</td></tr> </table>	额定电流值 Rated Current		1R0	1.0A	2R5	2.5A	R50	0.5A	⑥ <table border="1"> <tr><td colspan="2">包装 Packing</td></tr> <tr><td>T</td><td>编带 Tape & Reel</td></tr> </table>	包装 Packing		T	编带 Tape & Reel	⑦ <table border="1"> <tr><td colspan="2">无有害物质产品 Hazardous Substance Free Products</td></tr> <tr><td colspan="2">F</td></tr> </table>	无有害物质产品 Hazardous Substance Free Products		F	
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外观尺寸

SHAPE AND DIMENSIONS



Type	L	W	T	a
PZ1005 [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]
PZ1608 [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]
PZ2012 [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]
PZ3216 [1206]	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	0.85±0.2 [.033±.008] 1.1±0.2 [.043±.008]	0.5±0.3 [.020±.012]
PZ4516 [1806]	4.5±0.2 [.178±.008]	1.6±0.2 [.063±.008]	1.6±0.2 [.063±.008]	0.5±0.3 [.020±.012]

规格特性

SPECIFICATIONS

PZ1005 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
PZ1005D100-1R0TF	0~30	100	0.05	1000	0.5±0.15 [.020±.006]

PZ1608 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
PZ1608D300-3R0TF	30±25%	100	0.03	3000	0.8±0.15 [.031±.006]
PZ1608D600-2R0TF	60±25%	100	0.08	2000	
PZ1608D750-1R0TF	75±25%	100	0.15	1000	
PZ1608D121-1R0TF	120±25%	100	0.20	1000	
PZ1608D221-1R0TF	220±25%	100	0.20	1000	
PZ1608D601-R50TF	600±25%	100	0.35	500	
PZ1608U100-3R0TF	0~15	100	0.02	3000	
PZ1608U300-3R0TF	30±25%	100	0.03	3000	
PZ1608U600-2R5TF	60±25%	100	0.04	2500	
PZ1608U121-2R0TF	120±25%	100	0.05	2000	
PZ1608U221-1R4TF	220±25%	100	0.10	1400	
PZ1608U391-1R0TF	390±25%	100	0.14	1000	
PZ1608U471-1R0TF	470±25%	100	0.20	1000	

PZ2012 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
PZ2012D390-4R0TF	39±25%	100	0.02	4000	0.85±0.2 [.033±.008]
PZ2012D800-3R0TF	80±25%	100	0.04	3000	
PZ2012D121-2R5TF	120±25%	100	0.06	2500	
PZ2012D221-1R5TF	220±25%	100	0.08	1500	
PZ2012D301-1R5TF	300±25%	100	0.12	1500	
PZ2012D471-R80TF	470±25%	100	0.25	800	
PZ2012D601-R80TF	600±25%	100	0.25	800	
PZ2012U300-3R0TF	30±25%	100	0.02	3000	
PZ2012U600-3R0TF	60±25%	100	0.025	3000	
PZ2012U121-2R5TF	120±25%	100	0.04	2500	
PZ2012U221-2R0TF	220±25%	100	0.07	2000	
PZ2012U301-1R5TF	300±25%	100	0.10	1500	
PZ2012U421-1R0TF	420±25%	100	0.20	1000	
PZ2012U601-R80TF	600±25%	100	0.25	800	

PZ3216 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
PZ3216D190-6R0TF	19±25%	100	0.010	6000	0.85±0.2 [.033±.008]
PZ3216D380-5R0TF	38±25%	100	0.015	5000	
PZ3216D600-4R0TF	60±25%	100	0.02	4000	
PZ3216D121-2R5TF	120±25%	100	0.04	2500	
PZ3216D501-2R0TF	500±25%	100	0.07	2000	
PZ3216D601-1R5TF	600±25%	100	0.10	1500	



Specifications subject to change without notice. Please check our website for latest information. Revised 2010/05/15

Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China 518110 Tel: 0086-755-29832660 Fax: 0086-755-82269029 E-Mail: sunlord@sunlordinc.com

规格特性

SPECIFICATIONS

PZ3216 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
PZ3216U300-6R0TF	30±25%	100	0.01	6000	
PZ3216U600-4R0TF	60±25%	100	0.025	4000	
PZ3216U121-3R0TF	120±25%	100	0.03	3000	
PZ3216U221-2R0TF	220±25%	100	0.08	2000	
PZ3216U391-2R0TF	390±25%	100	0.07	2000	
PZ3216U601-1R5TF	600±25%	100	0.10	1500	
PZ3216U102-R50TF	1000±25%	100	0.30	500	

Note: The thickness of PZ3216 series may be increased to 1.1±0.2 mm when the I_r of product increased.

PZ4516 TYPE

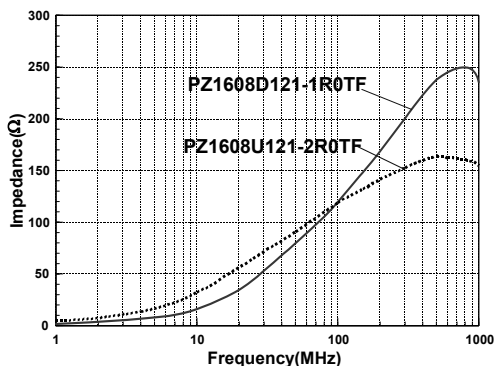
Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	Ω	MHz	Ω	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I _r	T
PZ4516U600-6R0TF	60±25%	100	0.01	6000	1.6±0.2 [.063±.008]
PZ4516U720-6R0TF	72±25%	100	0.01	6000	
PZ4516U181-3R0TF	180±25%	100	0.025	3000	
PZ4516U471-2R0TF	470±25%	100	0.05	2000	

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

电气特性

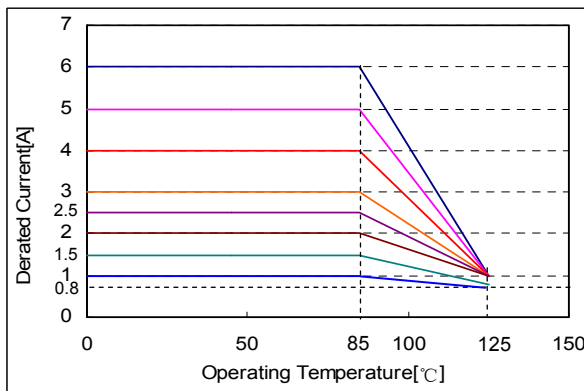
TYPICAL ELECTRICAL CHARACTERISTICS

D, U Material Comparison



Rated Current

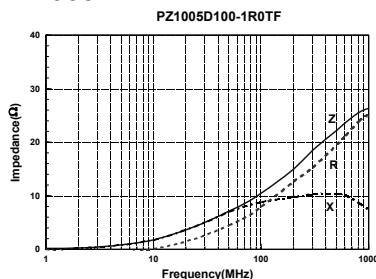
In operating temperatures exceeding +85°C, derating of current is necessary for chip ferrite beads for which rated current is 1000mA and over. Please apply the derating curve shown in chart according to the operating temperature.



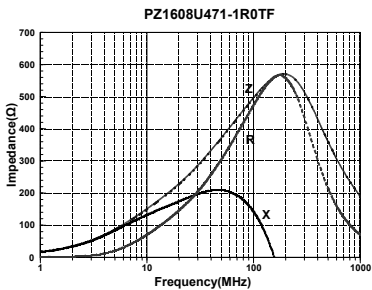
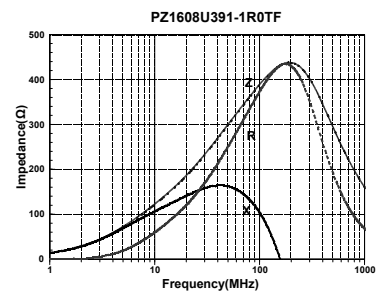
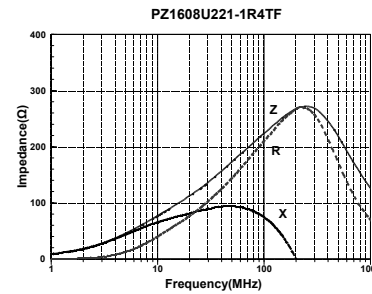
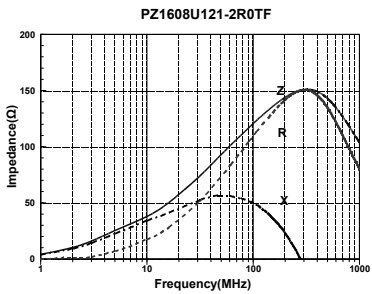
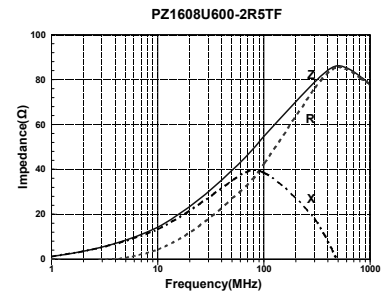
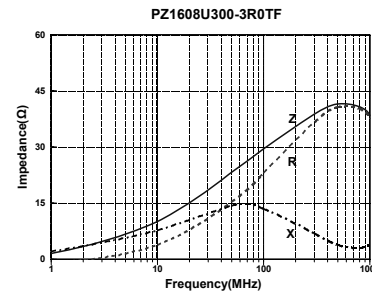
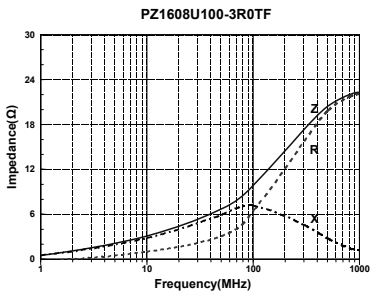
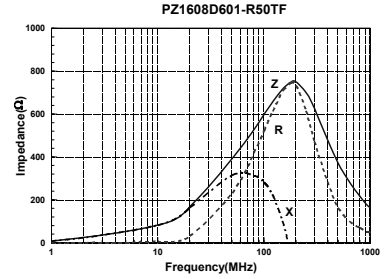
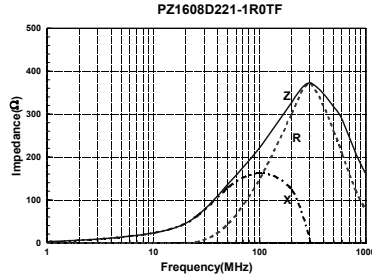
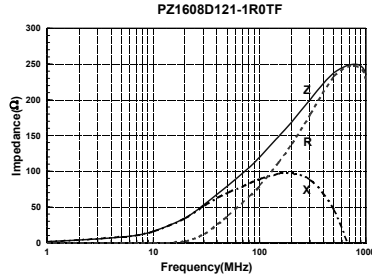
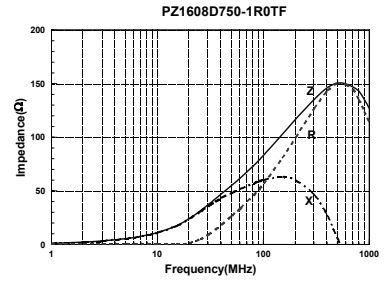
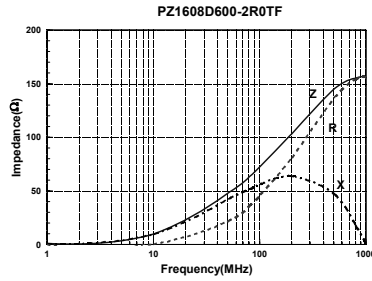
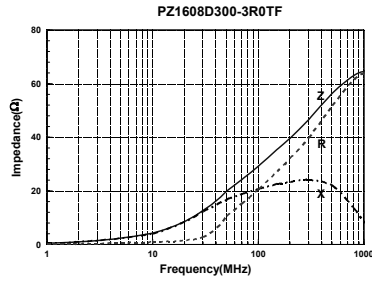
电气特性

DETAIL ELECTRICAL CHARACTERISTICS

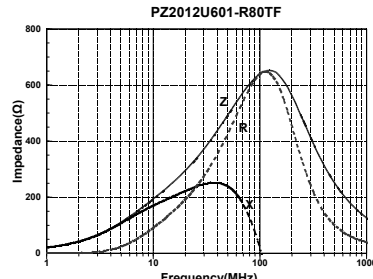
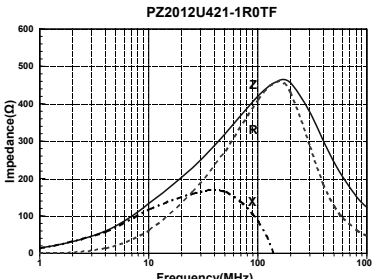
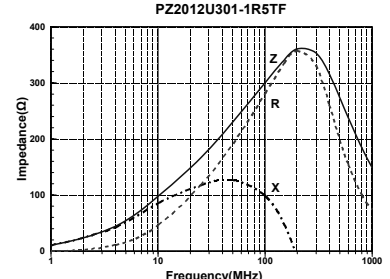
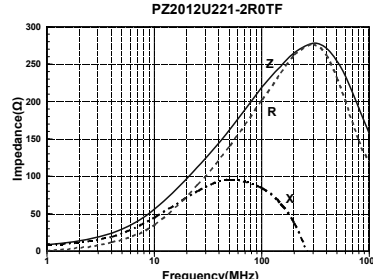
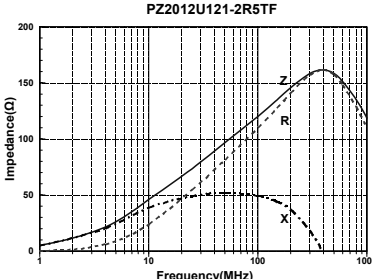
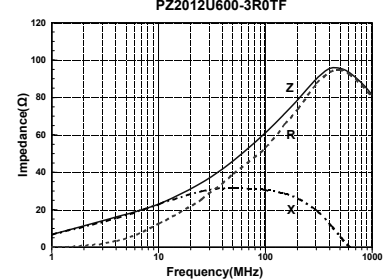
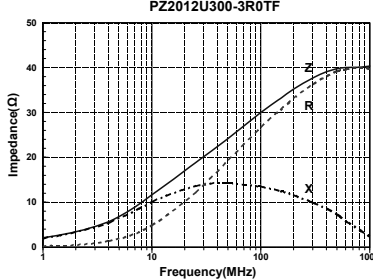
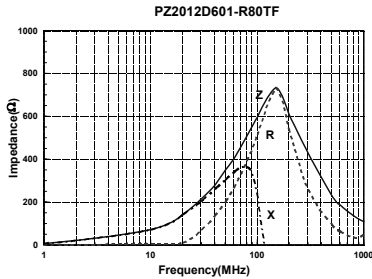
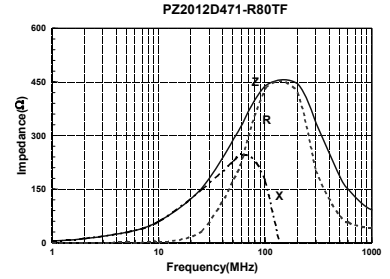
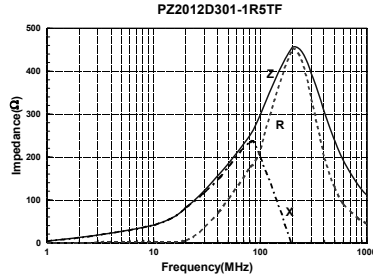
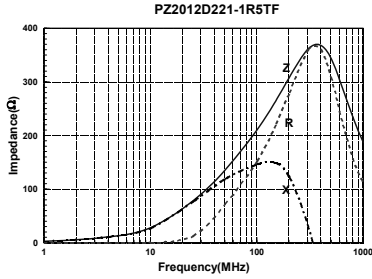
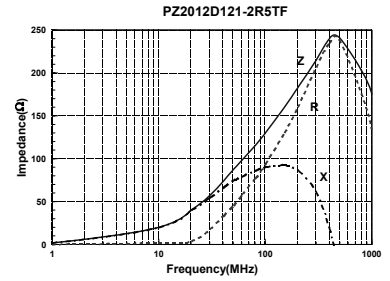
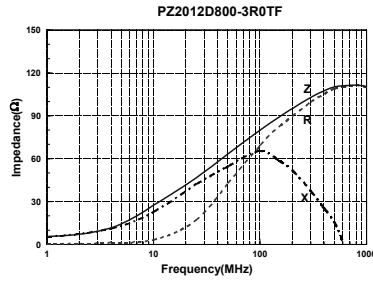
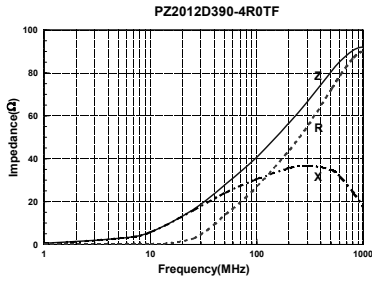
PZ1005 TYPE



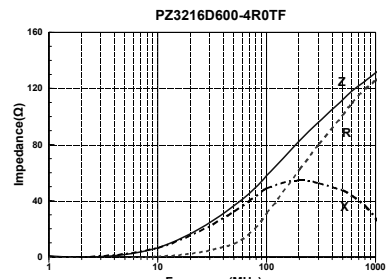
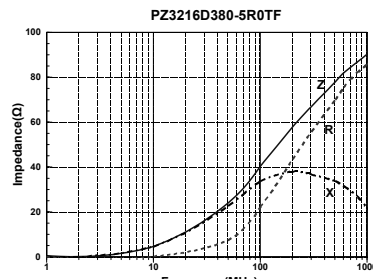
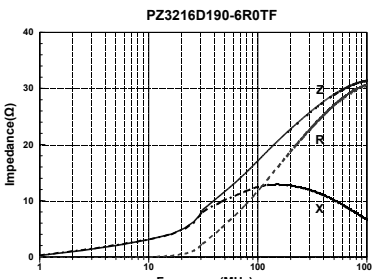
PZ1608 TYPE



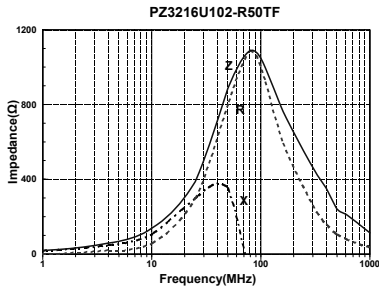
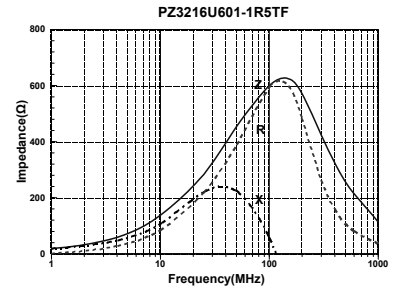
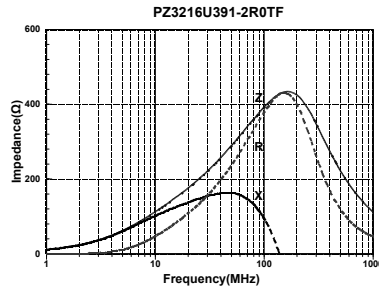
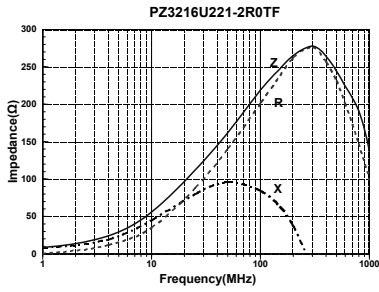
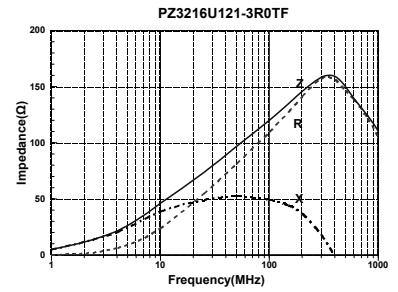
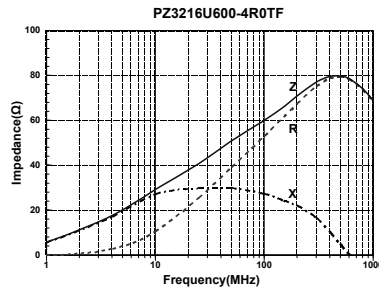
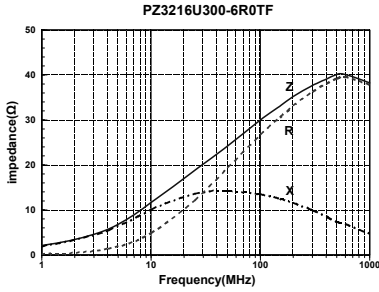
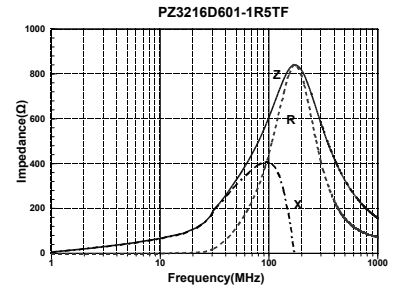
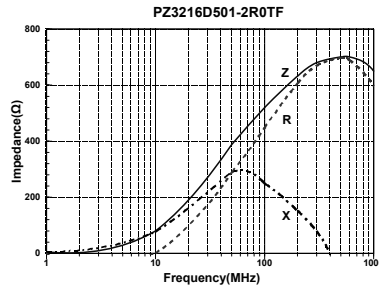
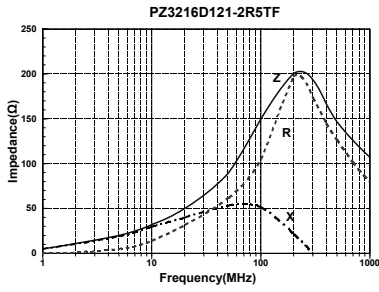
PZ2012 TYPE



PZ3216 TYPE



PZ3216 TYPE



PZ4516 TYPE

