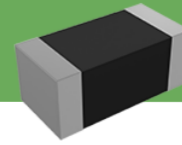


叠层片式铁氧体磁珠—AUPZ 系列

Multilayer Chip Ferrite Bead—AUPZ Series



工作温度

Operating Temp

- ◆ -55°C ~ +125°C

特征

Features

- ◆ 叠层结构, 具有良好的屏蔽特性
- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ 较 APZ 系列有更小的 DCR, 更大的额定电流
- ◆ Smaller DC resistance and larger allowable current than APZ series
- ◆ 在较宽频率范围内具有优良的 EMI 抑制效果
- ◆ Can be used in a wide range of frequency to suppress EMI
- ◆ 工作温度范围: -55°C ~ 125°C
- ◆ Operating temperature range: -55°C ~ 125°C
- ◆ 满足 AEC-Q200D
- ◆ AEC-Q200D verified

用途

Applications

- ◆ 用于汽车动力总成 / 安全设备、汽车信息娱乐 / 舒适设备、消费设备的电源线或大电流信号线的噪声抑制
- ◆ Noise suppression for power lines or large current signal lines of automotive powertrain/safety equipment, automotive infotainment/comfort equipment, consumer equipment

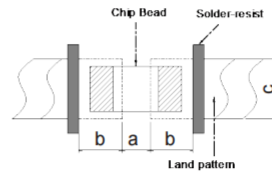
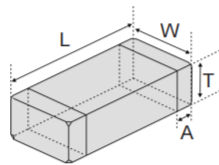
产品型号

Product Identification

1	2	3	4	5	6	7	8	9
A	UPZ	18S	U	G	121	H	1	T
特征代码 Feature Code		分类 Type		外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)				
A	车载电子 For Automotive	UPZ	片式铁氧体超大电流磁珠 Chip Ferrite Bead For Ultra Large Current	18T[0603] 1.6×0.8×0.6				
材料代号 Material Code		内部代码 Internal Code		18S[0603] 1.6×0.8×0.8				
U、W		G、H、X		21S[0805] 2.00×1.25×0.85				
标称阻抗值 Nominal Impedance		应用种类 Application Category		31S[1206] 3.2×1.6×1.1				
例子 Example	感值 Nominal Value	H	不限制应用范围	31K[1206] 3.2×1.6×1.6				
121	120Ω			41S[1806] 4.5×1.6×1.6				
102	1000Ω			最高应用温度 Maximum Operating temperature				
				1 125°C				
				包装 Packing				
				T 编带 Tape & Reel				

外观尺寸

Shape and Dimensions



单位 Unit: mm [inch]

系列 Type	L	W	T	A	a	b	c
18T [0603]	1.6±0.15 [0.063±0.006]	0.8±0.15 [0.031±0.006]	0.6±0.15 [0.024±0.006]	0.4±0.2 [0.016±0.008]	0.63	0.76	1.05
18S [0603]	1.6±0.15 [0.063±0.006]	0.8±0.15 [0.031±0.006]	0.8±0.15 [0.031±0.006]	0.4±0.2 [0.016±0.008]	0.63	0.76	1.05
21S [0805]	2.0±0.2 [0.079±0.008]	1.25±0.2 [0.049±0.008]	0.85±0.2 [0.033±0.008]	0.5±0.2 [0.020±0.008]	0.64	0.99	1.45
31S [1206]	3.2±0.2 [0.126±0.008]	1.60±0.2 [0.063±0.008]	1.10±0.2 [0.043±0.008]	0.7±0.3 [0.028±0.012]	1.39	1.44	1.80
31K [1206]	3.2±0.2 [0.126±0.008]	1.60±0.2 [0.063±0.008]	1.60±0.2 [0.063±0.008]	0.7±0.3 [0.028±0.012]	1.39	1.44	1.80
41S [1806]	4.5±0.2 [0.177±0.008]	1.60±0.2 [0.063±0.008]	1.60±0.2 [0.063±0.008]	0.7±0.3 [0.028±0.012]	3.00	1.50	1.80

规格特性 Specifications

AUPZ18 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
			Initial Value	Value After Testing	@85°C	@125°C	
单位 Units	Ω	MHz	mΩ		A		mm [inch]
符号 Symbol	Z	Freq.	DCR		Ir		T
AUPZ18TUX260H1T	26±25%	100	7	12	6.00	4.00	0.6±0.15 [0.024±0.006]
AUPZ18TUX300H1T	30±25%	100	10	20	5.00	2.00	
AUPZ18TUX101H1T	100±25%	100	30	50	3.00	1.90	
AUPZ18TUX121H1T	120±25%	100	30	40	3.00	1.90	
AUPZ18SUX000H1T	0~10	100	5	10	8.00	5.00	0.8±0.15 [0.031±0.006]
AUPZ18SUG100H1T	10±5	100	30	40	3.00	1.00	
AUPZ18SUX100H1T	10±5	100	9	15	6.00	4.00	
AUPZ18SUX260H1T	26±25%	100	7	12	6.00	4.00	
AUPZ18SUG300H1T	30±25%	100	25	50	3.00	1.00	
AUPZ18SUX300H1T	30±25%	100	10	20	5.00	2.00	
AUPZ18SUG330H1T	33±25%	100	25	50	3.00	1.00	
AUPZ18SUG600H1T	60±25%	100	100	200	1.00	1.00	
AUPZ18SUX600H1T	60±25%	100	20	24	3.50	1.80	
AUPZ18SUG121H1T	120±25%	100	50	100	2.00	1.00	
AUPZ18SUH121H1T	120±25%	100	40	100	3.00	1.00	
AUPZ18SUG181H1T	180±25%	100	90	180	1.50	1.00	
AUPZ18SUG221H1T	220±25%	100	50	100	2.20	1.00	
AUPZ18SUX301H1T	300±25%	100	80	90	2.00	1.20	
AUPZ18SUG331H1T	330±25%	100	150	200	1.20	1.00	
AUPZ18SUX331H1T	330±25%	100	80	95	1.70	1.20	
AUPZ18SWG391H1T	390±25%	100	120	150	1.20	0.50	
AUPZ18SUG471H1T	470±25%	100	200	260	1.00	1.00	
AUPZ18SUX471H1T	470±25%	100	130	145	1.50	1.00	
AUPZ18SUG601H1T	600±25%	100	150	300	1.00	0.50	
AUPZ18SUX601H1T	600±25%	100	150	165	1.30	1.00	
AUPZ18SUG102H1T	1000±25%	100	300	350	0.80	0.50	
AUPZ18SUX102H1T	1000±25%	100	200	230	1.00	0.80	

AUPZ21 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
			Initial Value	Value After Testing	@85°C	@125°C	
单位 Units	Ω	MHz	mΩ		A		mm [inch]
符号 Symbol	Z	Freq.	DCR		Ir		T
AUPZ21SUX000H1T	0~10	100	3	6	10.00	6.00	0.85±0.2 [0.033±0.008]
AUPZ21SUG220H1T	22±25%	100	9	18	6.00	3.30	
AUPZ21SUG300H1T	30±10	100	14	28	4.00	2.00	
AUPZ21SUX300H1T	30±10	100	4	5	8.50	6.00	
AUPZ21SUG330H1T	33±10	100	14	28	4.00	2.00	
AUPZ21SUG600H1T	60±25%	100	20	40	3.50	1.90	
AUPZ21SUG101H1T	100±25%	100	20	40	4.00	2.00	
AUPZ21SUG121H1T	120±25%	100	30	60	3.00	1.55	
AUPZ21SUX121H1T	120±25%	100	20	40	4.00	2.60	
AUPZ21SUG221H1T	220±25%	100	40	80	3.00	1.50	
AUPZ21SUX221H1T	220±25%	100	25	50	3.50	2.00	
AUPZ21SUG301H1T	300±25%	100	60	120	2.00	1.00	
AUPZ21SUX301H1T	300±25%	100	50	60	3.00	2.00	
AUPZ21SUG331H1T	330±25%	100	70	100	1.50	1.00	
AUPZ21SUX331H1T	330±25%	100	50	60	2.50	1.70	
AUPZ21SUG471H1T	470±25%	100	80	160	2.00	1.00	

规格特性
Specifications

AUPZ21 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
			Initial Value	Value After Testing	@85°C	@125°C	
单位 Units	Ω	MHz	mΩ		A		mm [inch]
符号 Symbol	Z	Freq.	DCR		Ir		T
AUPZ21SUG601H1T	600±25%	100	100	120	2.00	1.00	
AUPZ21SUX601H1T	600±25%	100	60	80	2.30	1.50	
AUPZ21SUG102H1T	1000±25%	100	150	200	1.50	1.00	
AUPZ21SUX102H1T	1000±25%	100	120	150	1.60	1.10	

AUPZ31 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
			Initial Value	Value After Testing	@85°C	@125°C	
单位 Units	Ω	MHz	mΩ		A		mm [inch]
符号 Symbol	Z	Freq.	DCR		Ir		T
AUPZ31SUG000H1T	0~10	100	5	10	8.00	5.00	1.10±0.2 [0.043±0.008]
AUPZ31SUG330H1T	33±25%	100	9	18	6.00	3.50	
AUPZ31SUG500H1T	50±25%	100	15	30	3.50	2.30	
AUPZ31SUH500H1T	50±25%	100	10	20	6.00	3.50	
AUPZ31SUG101H1T	100±25%	100	35	45	3.00	2.00	
AUPZ31SUG121H1T	120±25%	100	20	40	3.50	2.00	
AUPZ31SUX121H1T	120±25%	100	10	20	6.00	3.00	
AUPZ31SUX281H1T	280±25%	100	35	60	3.50	2.00	
AUPZ31SUG301H1T	300±25%	100	50	100	2.50	1.50	
AUPZ31SUG391H1T	390±25%	100	50	100	2.00	1.25	
AUPZ31SUX471H1T	470±25%	100	30	40	3.20	2.00	
AUPZ31SUH501H1T	500±25%	100	60	70	2.50	2.50	
AUPZ31SUG601H1T	600±25%	100	80	160	1.50	1.00	
AUPZ31SUG102H1T	1000±25%	100	150	200	1.00	0.70	
AUPZ31KUX121H1T	120±25%	100	9	11	6.00	4.00	1.60±0.2 [0.063±0.008]
AUPZ31KUX271H1T	270±25%	100	16	19	4.50	3.00	
AUPZ31KUX471H1T	470±25%	100	20	24	4.00	2.70	
AUPZ31KUX601H1T	600±25%	100	38	45	2.90	2.00	
AUPZ31KUX801H1T	800±25%	100	50	60	2.50	1.70	
AUPZ31KUX102H1T	1000±25%	100	75	90	2.00	1.40	

AUPZ41 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
			Initial Value	Value After Testing	@85°C	@125°C	
单位 Units	Ω	MHz	mΩ		A		mm [inch]
符号 Symbol	Z	Freq.	DCR		Ir		T
AUPZ41SUG600H1T	60±25%	100	9	18	6.00	3.70	1.60±0.2 [0.063±0.008]
AUPZ41SUG720H1T	72±25%	100	10	20	6.00	3.00	

※: 可根据客户要求提供具有其他电气特性的产品。请联系当地销售人员

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

电气特性

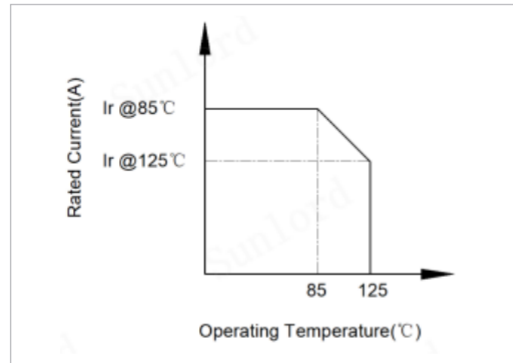
Typical
Electrical
Characteristics

额定电流

当工作温度超过 +85℃ 时, 请根据工作温度应用图表所示的降额曲线。

Rated Current

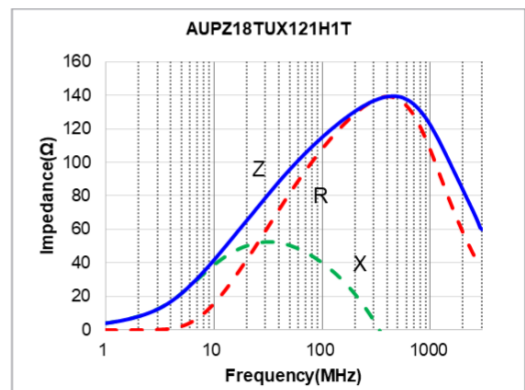
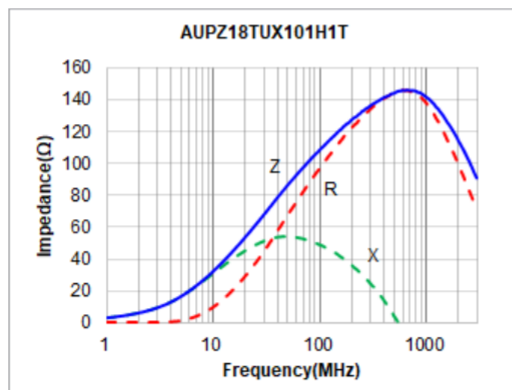
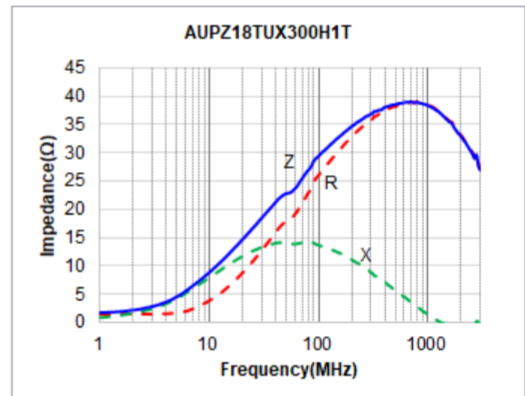
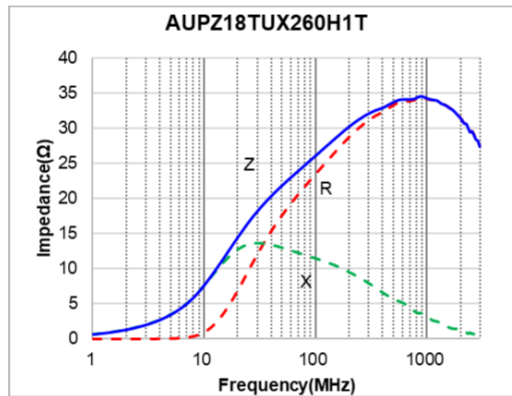
When Operating temperatures exceeding +85℃, Please apply the derating curve shown in chart according to the Operating temperature.



电气特性

Detail
Electrical
Characteristics

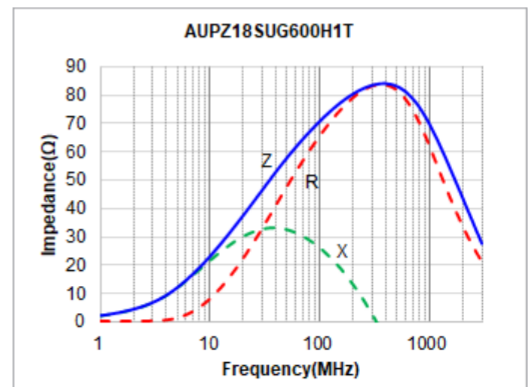
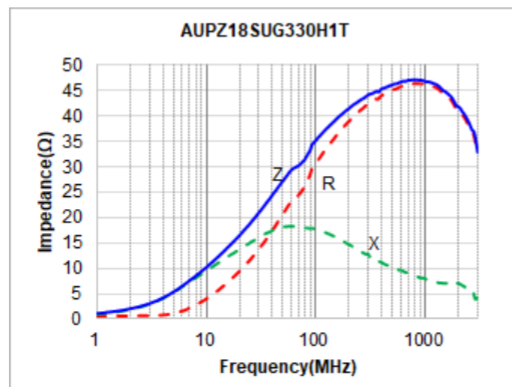
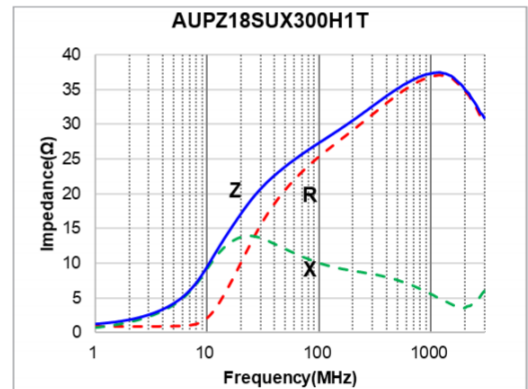
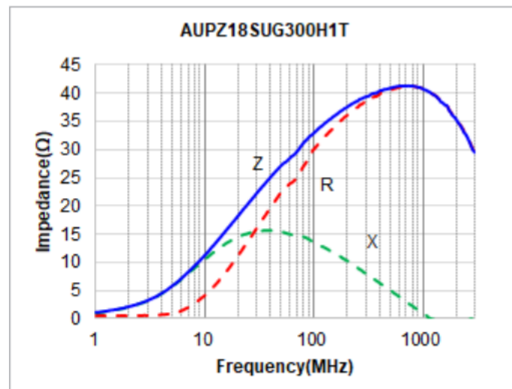
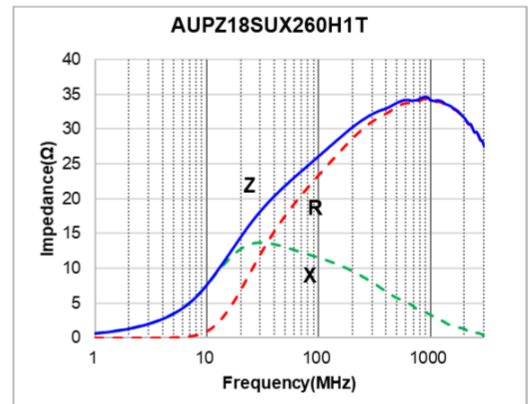
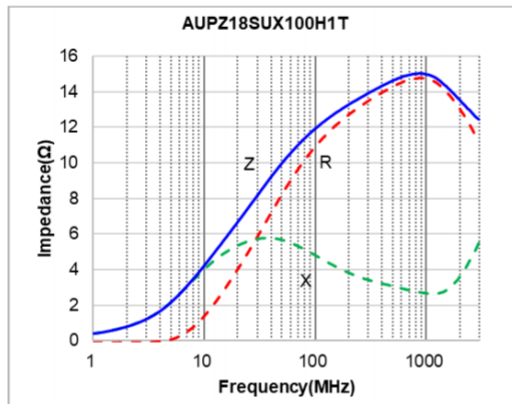
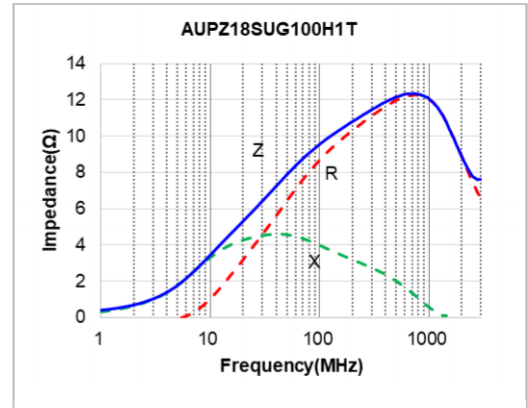
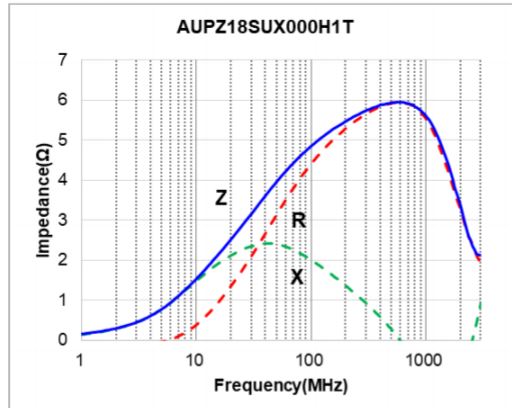
AUPZ18 TYPE



电气特性

Detail
Electrical
Characteristics

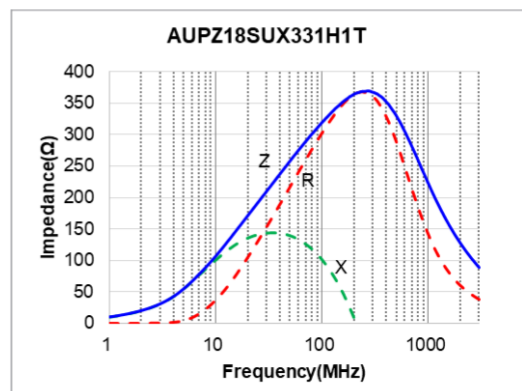
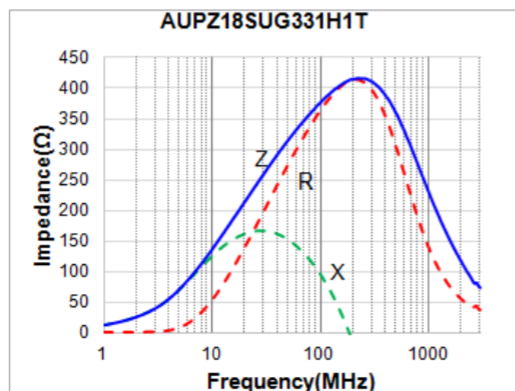
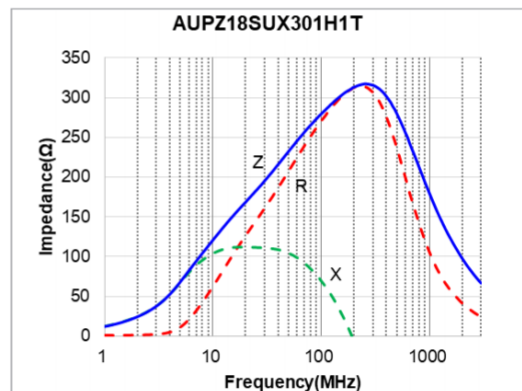
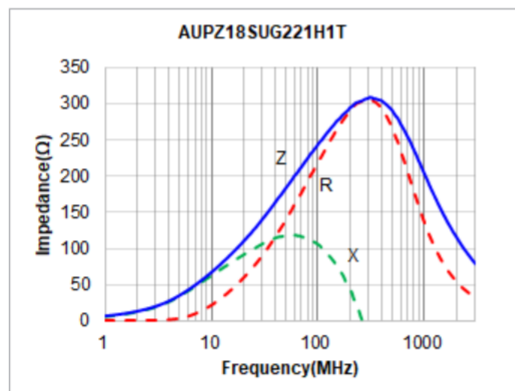
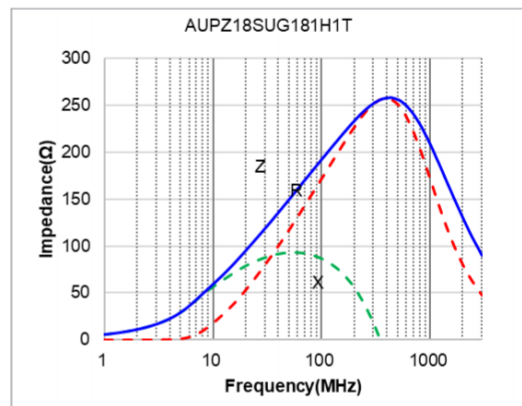
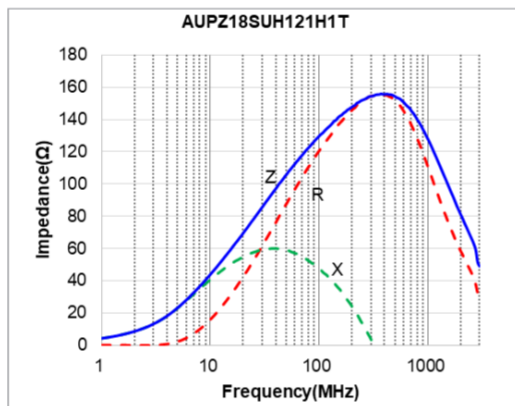
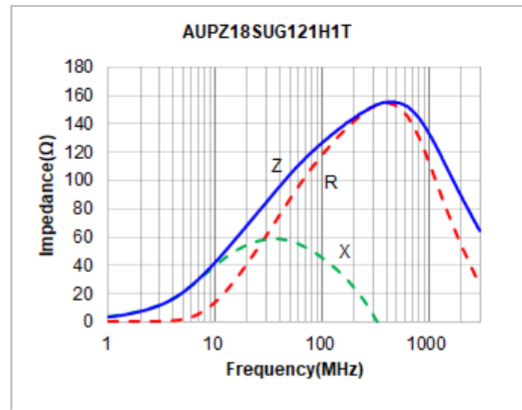
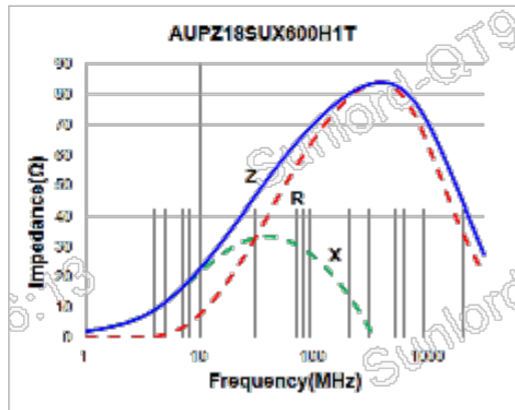
AUPZ18 TYPE



电气特性

Detail
Electrical
Characteristics

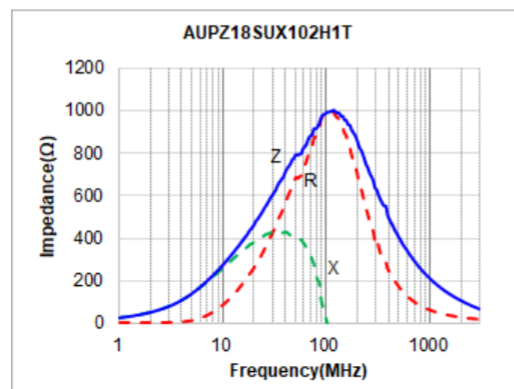
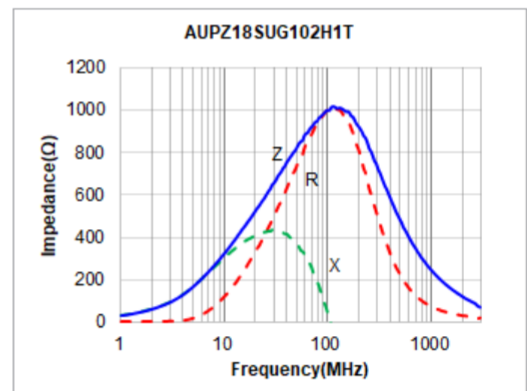
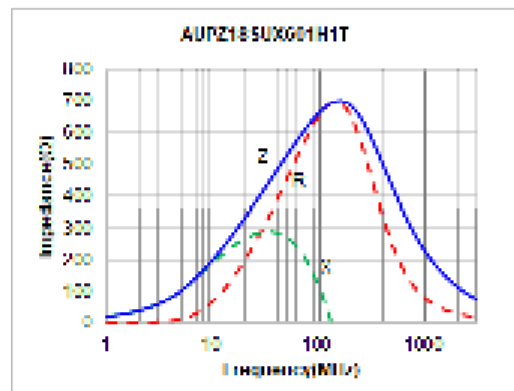
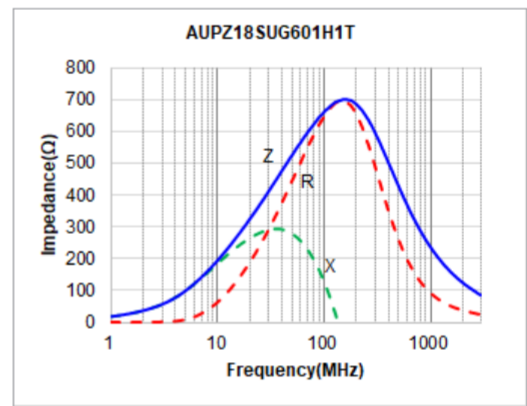
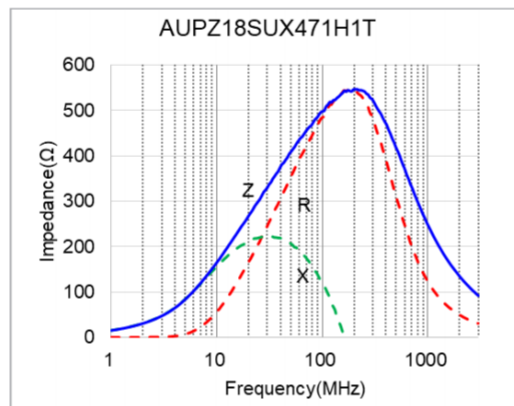
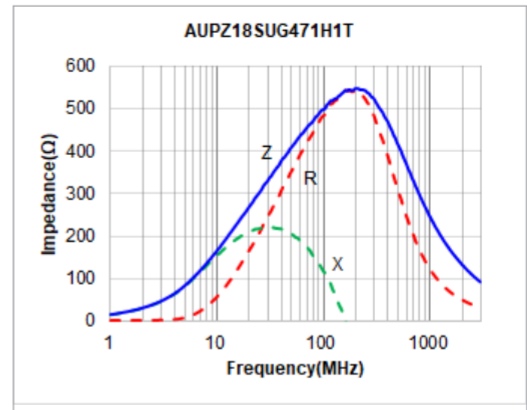
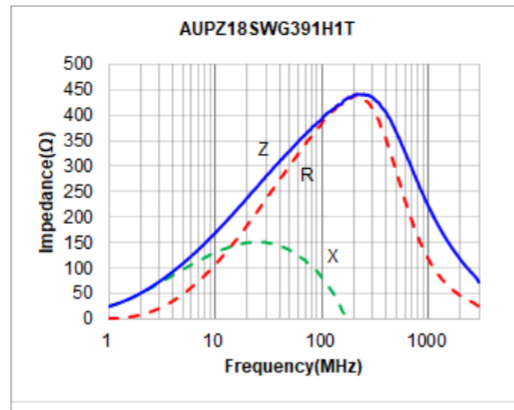
AUPZ18 TYPE



电气特性

Detail
Electrical
Characteristics

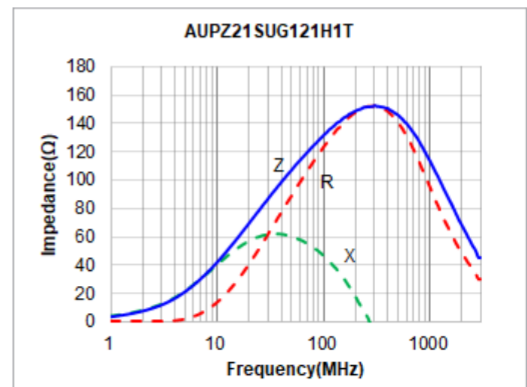
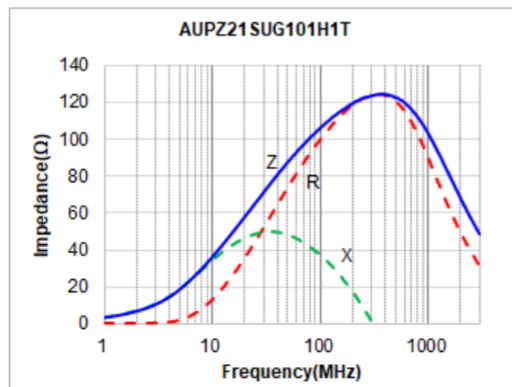
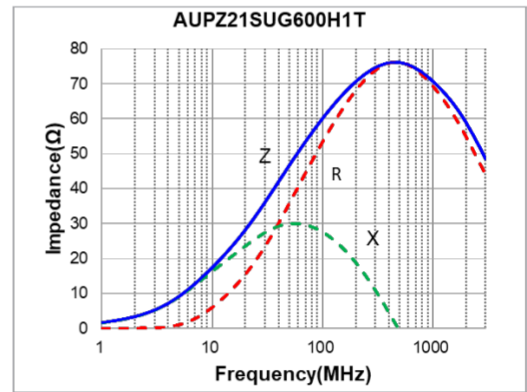
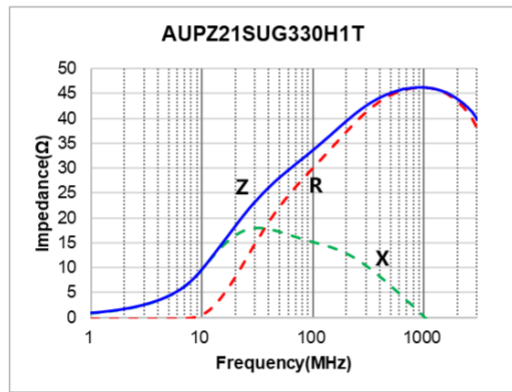
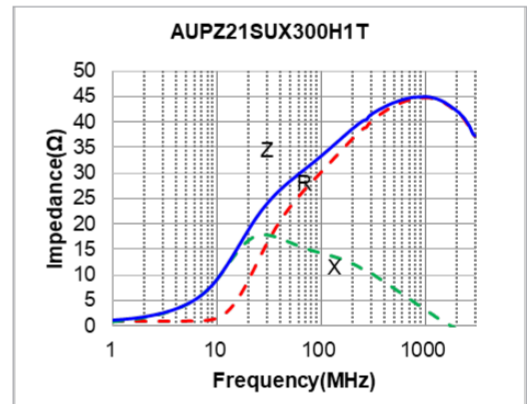
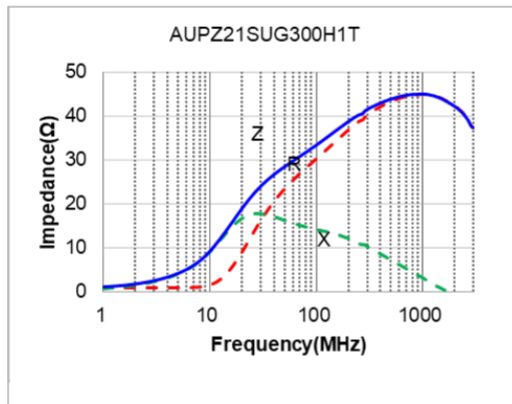
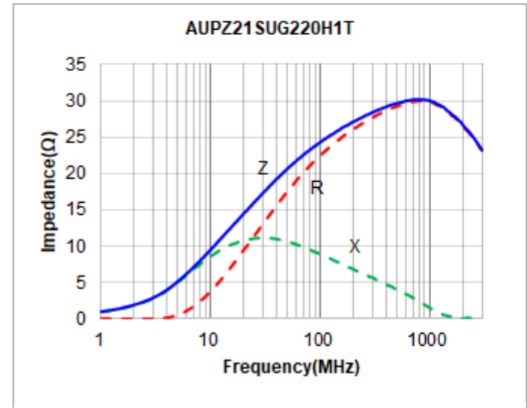
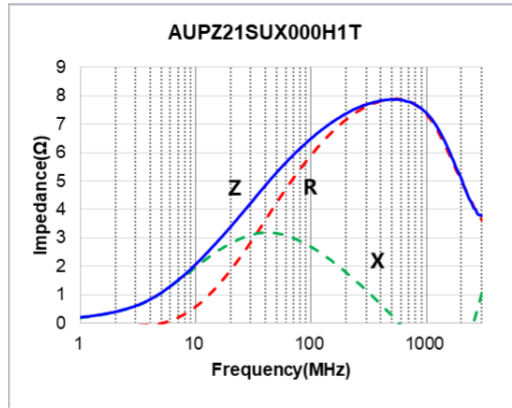
AUPZ18 TYPE



电气特性

Detail
Electrical
Characteristics

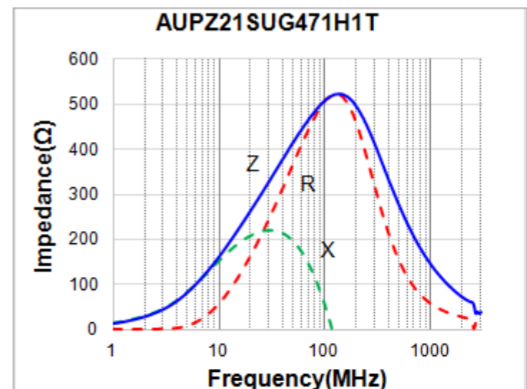
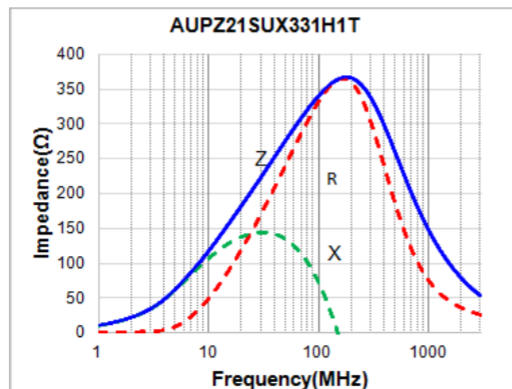
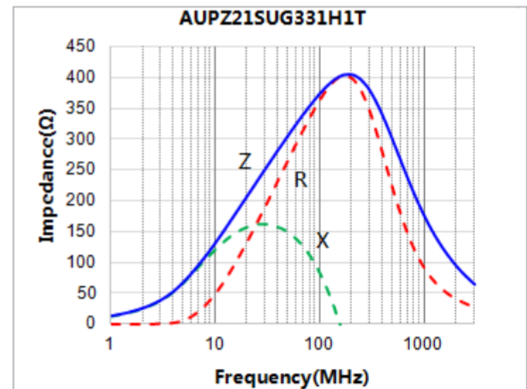
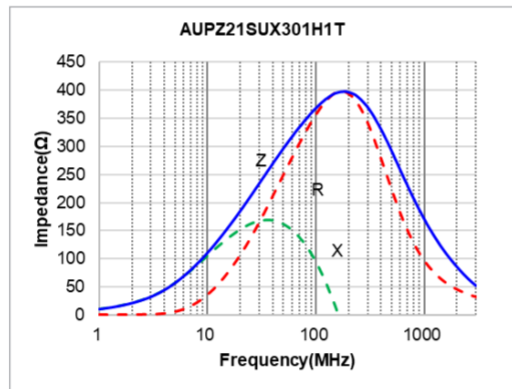
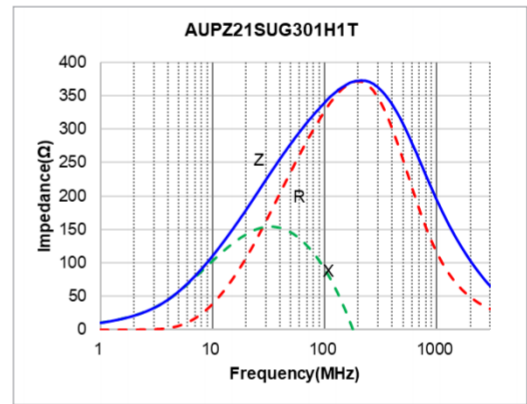
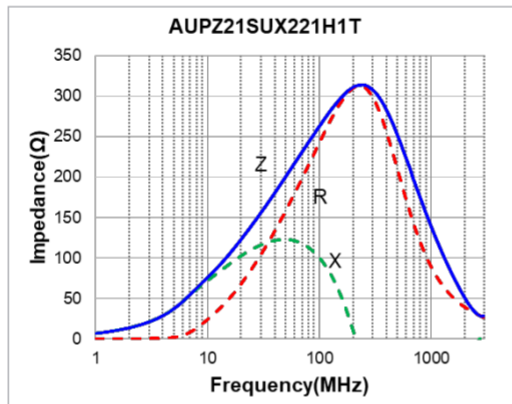
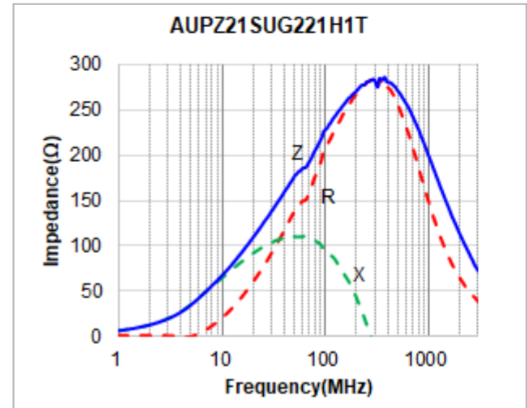
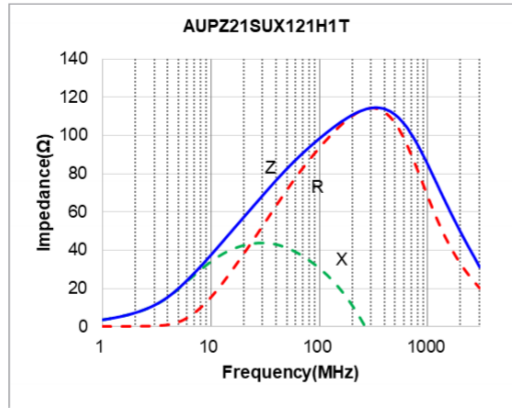
AUPZ21 TYPE



电气特性

Detail
Electrical
Characteristics

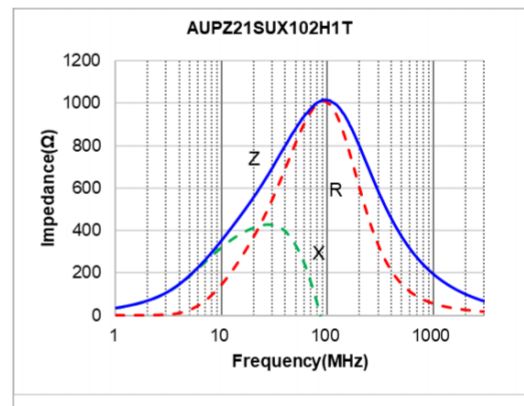
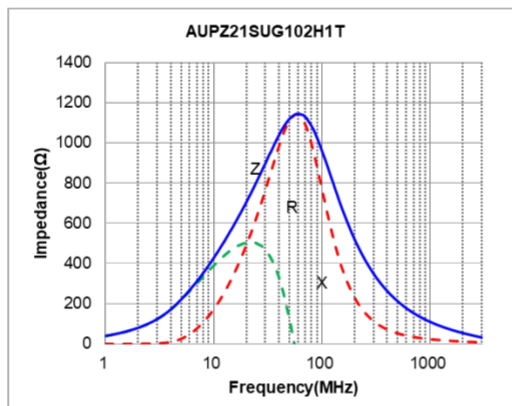
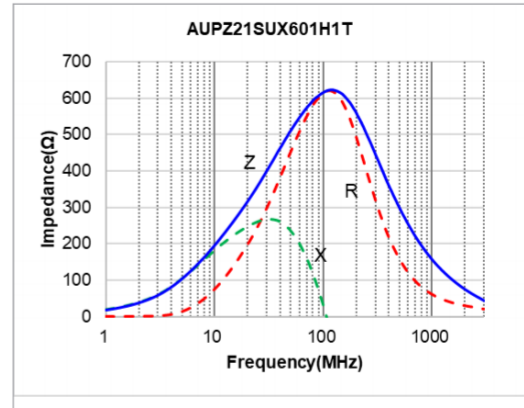
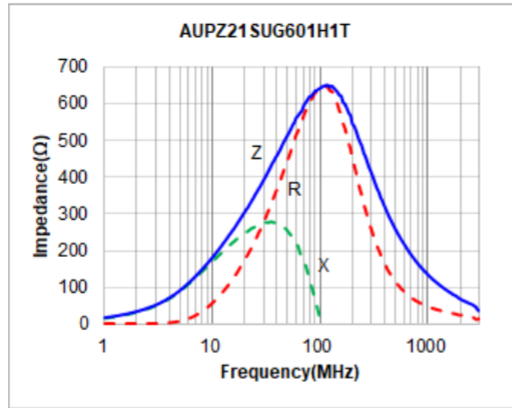
AUPZ21 TYPE



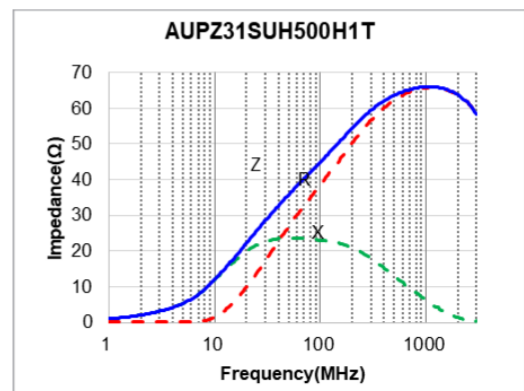
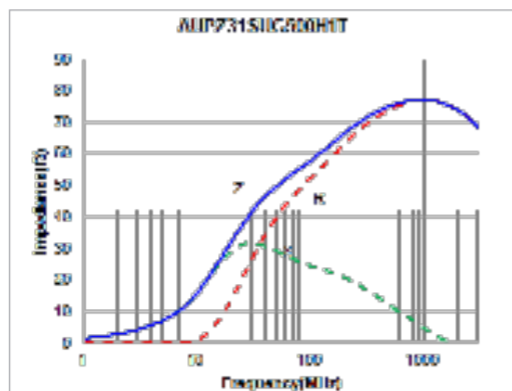
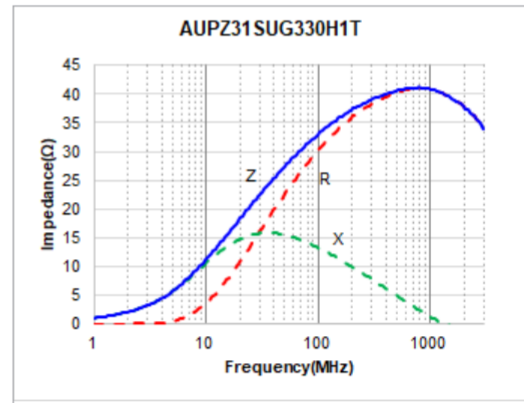
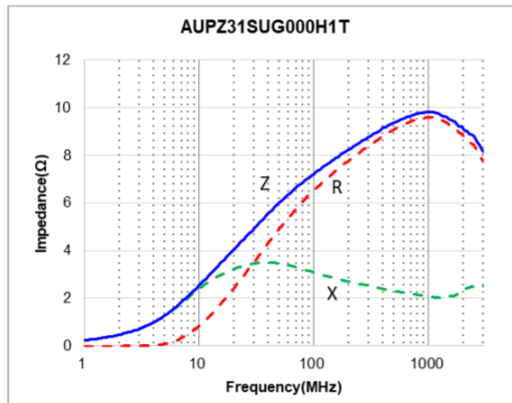
电气特性

Detail
Electrical
Characteristics

AUPZ21 TYPE



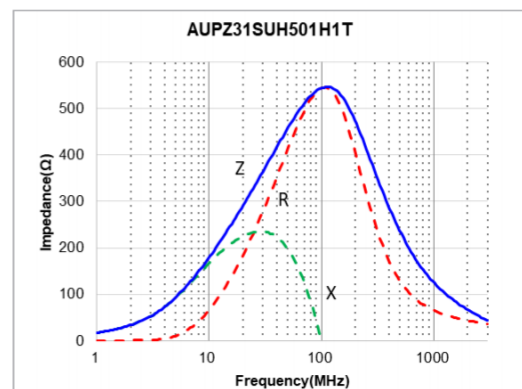
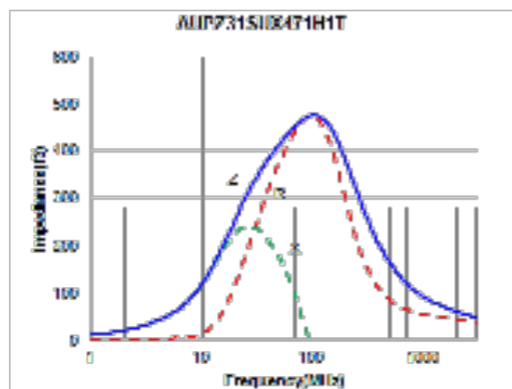
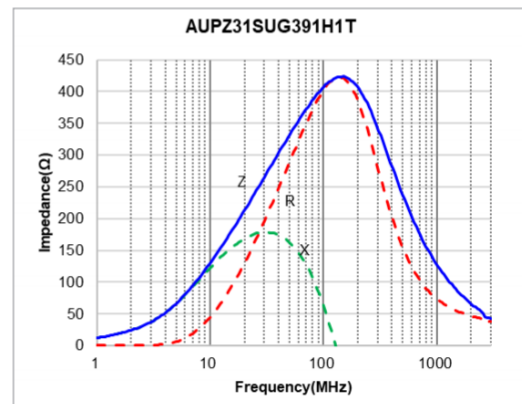
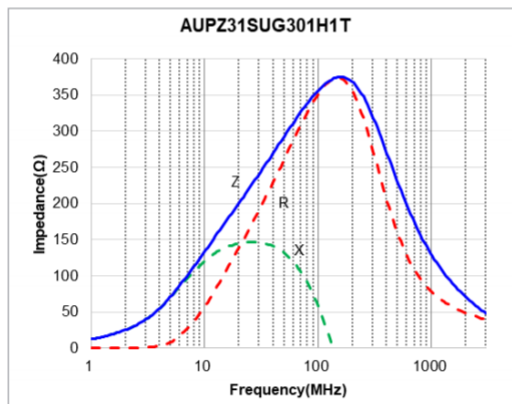
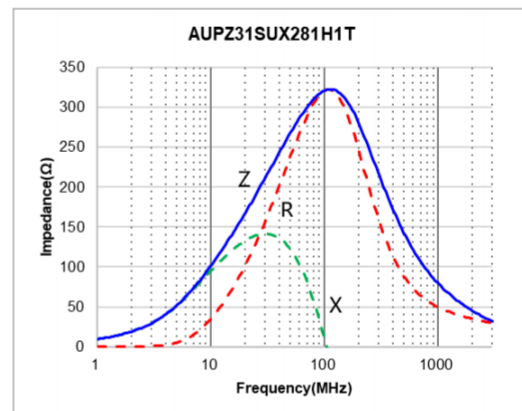
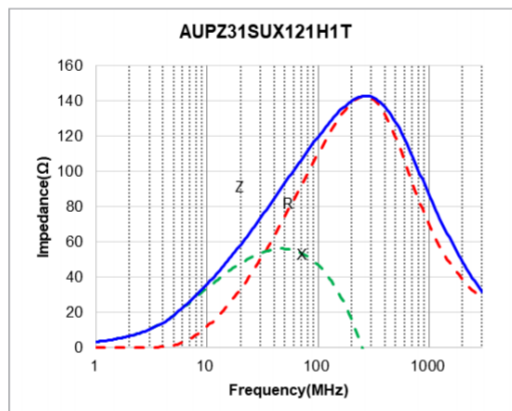
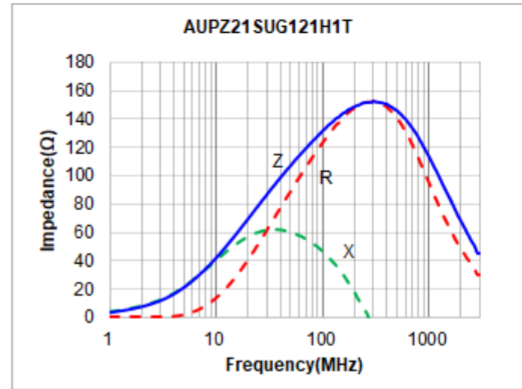
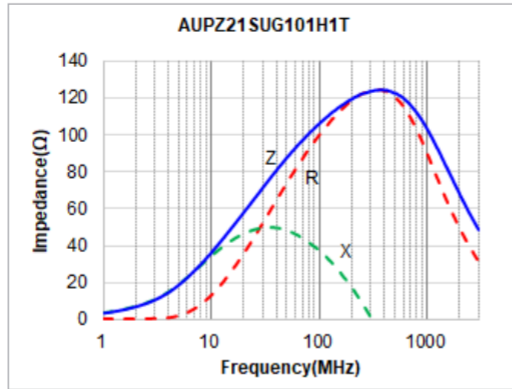
AUPZ31 TYPE



电气特性

Detail
Electrical
Characteristics

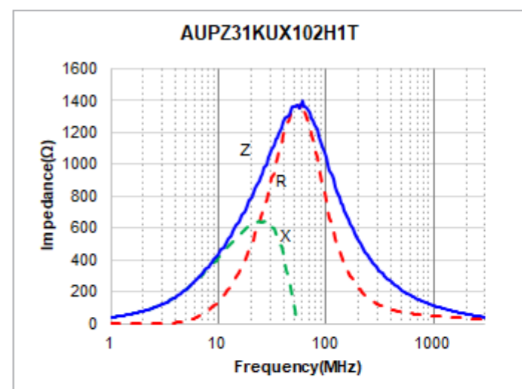
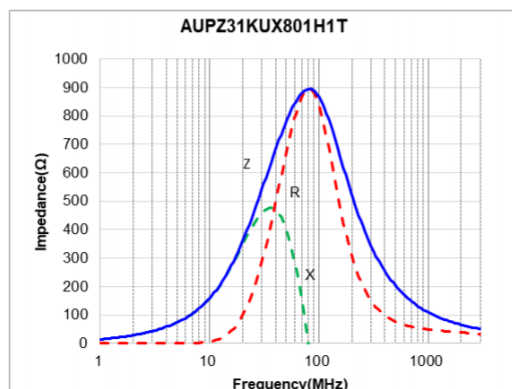
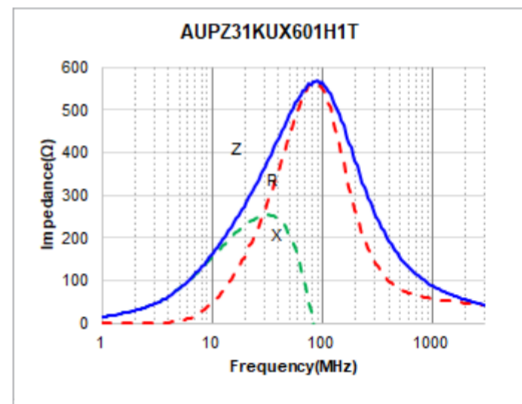
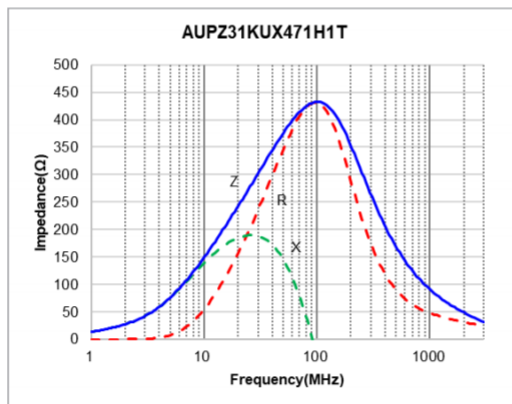
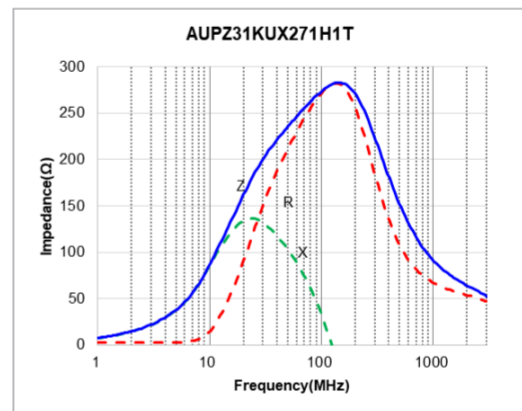
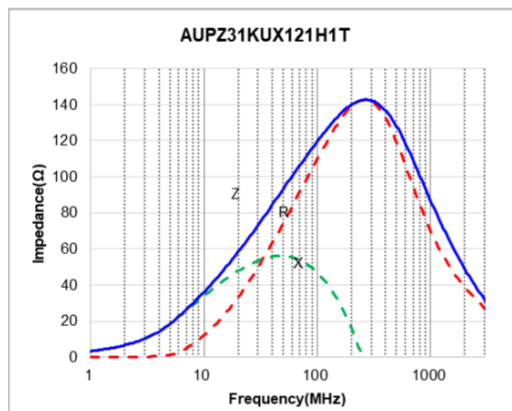
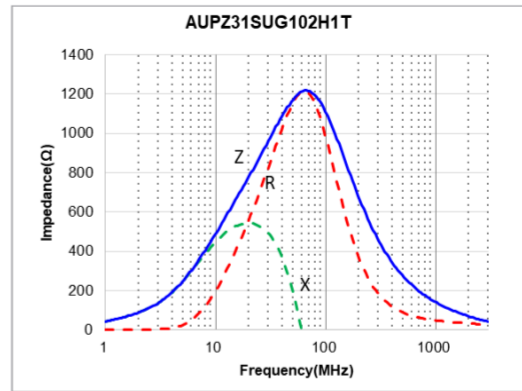
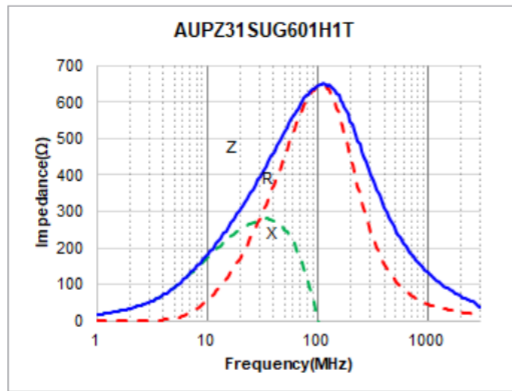
AUPZ31 TYPE



电气特性

Detail
Electrical
Characteristics

AUPZ31 TYPE



电气特性

Detail
Electrical
Characteristics

AUPZ41 TYPE

