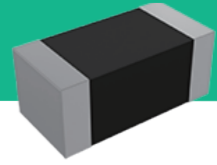


叠层片式铁氧体磁珠—UPZ 系列

Multilayer Chip Ferrite Bead – UPZ 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
- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ 迭层独石结构具有良好的可靠性
- ◆ Monolithic structure for excellent reliability
- ◆ 具有比传统大电流磁珠更小的直流电阻，和更大电流特性
- ◆ Smaller DC resistance and larger allowable current than PZ series
- ◆ 在较宽的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

用途 Applications

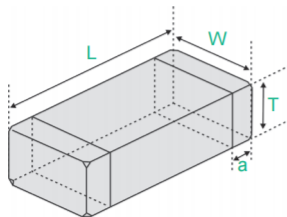
- ◆ 通讯设备、音视频设备、电脑及周边设备等电源线或大功率线路的噪声抑制
- ◆ Noise suppression for power lines or large current signal lines of electric equipments, such as communication equipments, computers, A/V equipments, etc.

产品型号 Product Identification

1	2	3	4	5	6	7
UPZ	1608	E	221	-2R2	T	F

1	分类 Type	2	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	3	材料代号 Material Code
UPZ	片式铁氧体超大电流磁珠 Chip Ferrite Bead For Ultra Large Current	0603 [0201]	0.6×0.3		G, D, E, U, W
		1005 [0402]	1.0×0.5		
		1608 [0603]	1.6×0.8	6	包装 Packing
		2012 [0805]	2.0×1.25	T	编带 Tape & Reel
4	公称阻抗值 Nominal Impedance	5	额定电流值 Rated Current	7	无有害物质产品 Hazardous Substance Free Products
Example	Nominal Value	1R5	1.5A		F
300	30Ω	2R2	2.2A		
221	220Ω				
102	1000Ω				

外观尺寸 Shape and Dimensions



Unit: mm [inch]

Type	L	W	T	a
UPZ0603 [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]
UPZ1005 [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]
UPZ1608 [0603]	1.65±0.15 [.065±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.3±0.2 [.012±.008]
UPZ2012 [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

UPZ0603 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	m Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
UPZ0603U220-1R8TF	22 $\pm$ 25%	100	40	1800	0.3 $\pm$ 0.05 [.012 $\pm$.002]
UPZ0603U330-1R5TF	33 $\pm$ 25%	100	55	1500	
UPZ0603U470-1R0TF	47 $\pm$ 25%	100	120	1000	
UPZ0603U800-1R0TF	80 $\pm$ 25%	100	130	1000	

UPZ1005 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	m Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
UPZ1005D100-2R0TF	0~30	100	45	2000	0.5 $\pm$ 0.15 [.020 $\pm$.006]
UPZ1005D300-1R7TF	30 $\pm$ 25%	100	50	1700	
UPZ1005D300-2R2TF	30 $\pm$ 25%	100	35	2200	
UPZ1005D600-1R5TF	60 $\pm$ 25%	100	75	1500	
UPZ1005D800-1R5TF	80 $\pm$ 25%	100	70	1500	
UPZ1005D121-1R3TF	120 $\pm$ 25%	100	90	1300	
UPZ1005D221-R90TF	220 $\pm$ 25%	100	160	900	

UPZ1608 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	m Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
UPZ1608G300-1R8TF	30 $\pm$ 25%	100	60	1800	0.8 $\pm$ 0.15 [.031 $\pm$.006]
UPZ1608G600-1R2TF	60 $\pm$ 25%	100	100	1200	
UPZ1608G101-1R0TF	100 $\pm$ 25%	100	150	1000	
UPZ1608U220-6R0TF	22 $\pm$ 25%	100	10	6000	
UPZ1608U280-6R0TF	28 $\pm$ 25%	100	10	6000	
UPZ1608U700-4R0TF	70 $\pm$ 25%	100	20	4000	
UPZ1608U221-2R2TF	220 $\pm$ 25%	100	50	2200	
UPZ1608U331-1R5TF	330 $\pm$ 25%	100	70	1500	
UPZ1608U391-1R5TF	390 $\pm$ 25%	100	120	1500	
UPZ1608U471-1R5TF	470 $\pm$ 25%	100	120	1500	
UPZ1608U601-1R3TF	600 $\pm$ 25%	100	150	1300	
UPZ1608E300-5R0TF	30 $\pm$ 25%	100	10	5000	
UPZ1608E600-3R5TF	60 $\pm$ 25%	100	20	3500	
UPZ1608E101-3R0TF	100 $\pm$ 25%	100	30	3000	
UPZ1608E181-2R2TF	180 $\pm$ 25%	100	50	2200	
UPZ1608E221-2R2TF	220 $\pm$ 25%	100	50	2200	
UPZ1608E331-1R7TF	330 $\pm$ 25%	100	80	1700	
UPZ1608E601-1R0TF	600 $\pm$ 25%	100	150	1000	
UPZ1608W260-6R0TF	26 $\pm$ 25%	100	7	6000	

规格特性 Specifications

UPZ2012 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	m Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
UPZ2012D220-6R0TF	22 $\pm$ 25%	100	10	6000	0.85 $\pm$ 0.2 [.033 $\pm$.008]
UPZ2012D800-4R0TF	80 $\pm$ 25%	100	20	4000	
UPZ2012U220-6R0TF	22 $\pm$ 25%	100	10	6000	
UPZ2012U300-6R0TF	30 $\pm$ 25%	100	10	6000	
UPZ2012U600-4R0TF	60 $\pm$ 25%	100	20	4000	
UPZ2012U221-3R0TF	220 $\pm$ 25%	100	40	3000	
UPZ2012E300-6R0TF	30 $\pm$ 25%	100	10	6000	
UPZ2012E121-4R0TF	120 $\pm$ 25%	100	20	4000	
UPZ2012E221-3R0TF	220 $\pm$ 25%	100	40	3000	
UPZ2012E331-2R5TF	330 $\pm$ 25%	100	50	2500	
UPZ2012E601-2R0TF	600 $\pm$ 25%	100	90	2000	
UPZ2012E102-1R5TF	1000 $\pm$ 25%	100	120	1500	

※: 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.

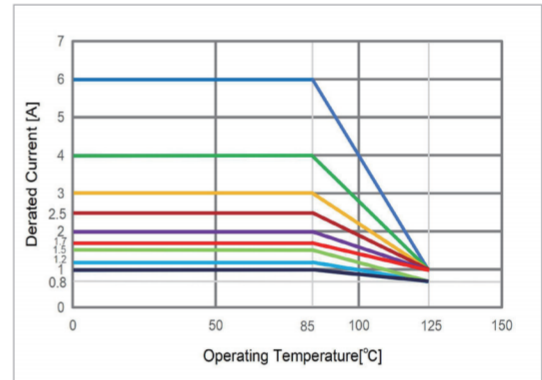
电气特性

Typical Electrical Characteristics

额定电流 Rated Current

当工作温度超过 +85°C 时, 额定电流为 1000mA 及以上的片式铁氧体磁珠需要降额。请根据工作温度应用图表中所示的降额曲线。

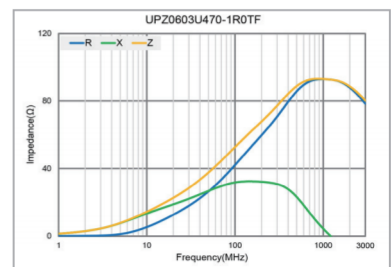
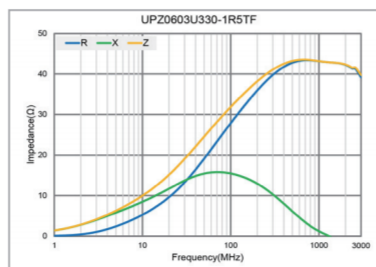
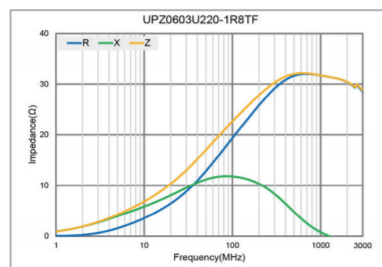
When operating temperatures exceed +85°C, derating of current is necessary for chip ferrite beads for which rated current is 1000mA and over. Please apply the derating curve shown in chart according to the operating temperature.



电气特性

Detail Electrical Characteristics

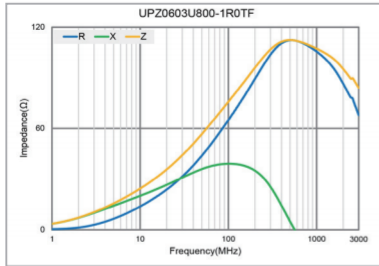
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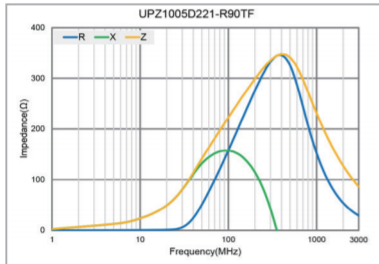
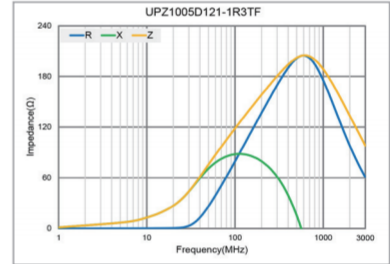
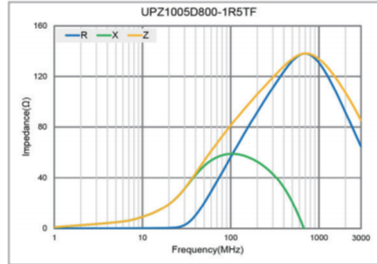
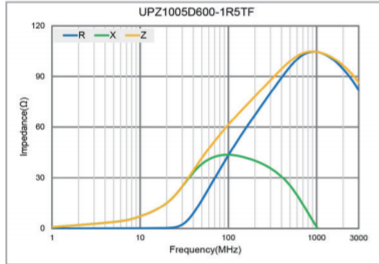
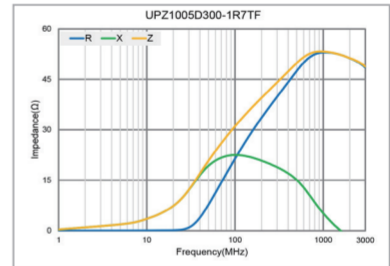
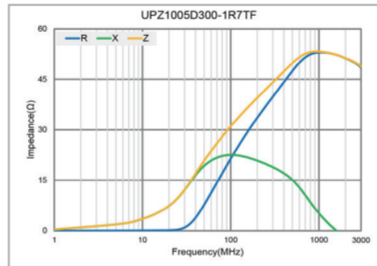
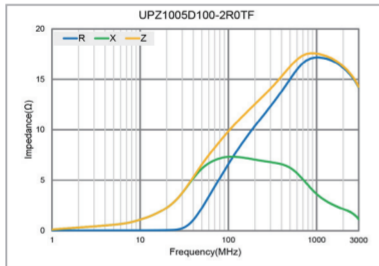
电气特性

Typical Electrical Characteristics

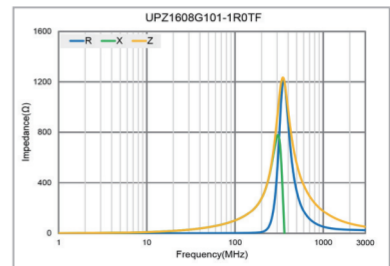
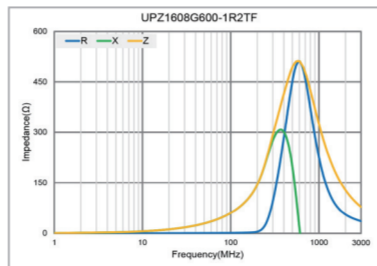
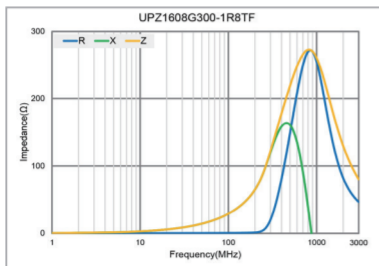
UPZ0603 TYPE



UPZ1005 TYPE



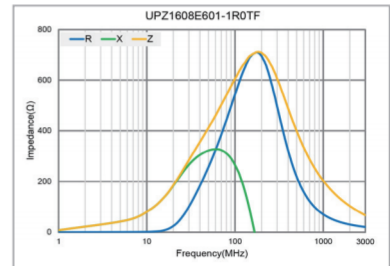
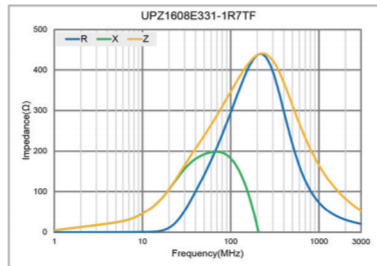
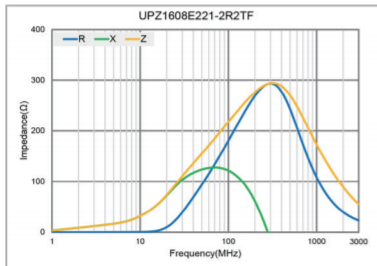
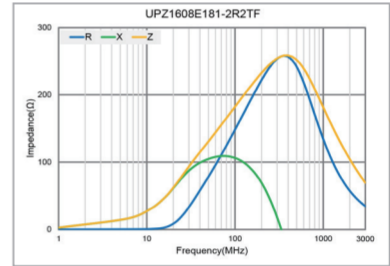
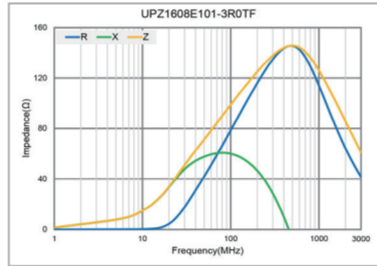
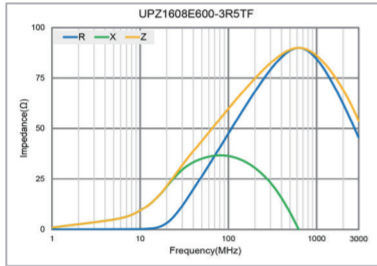
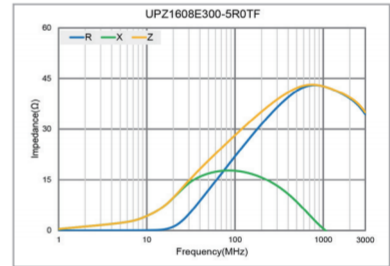
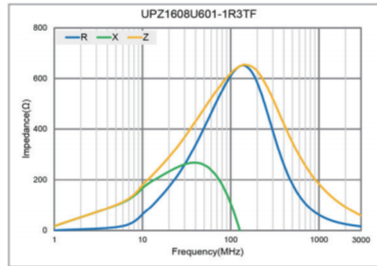
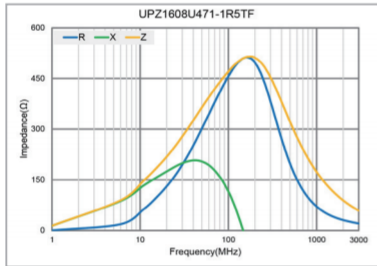
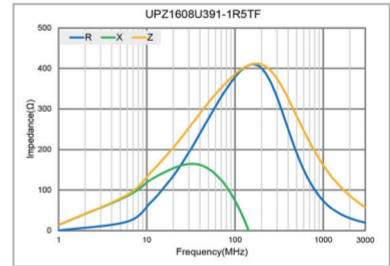
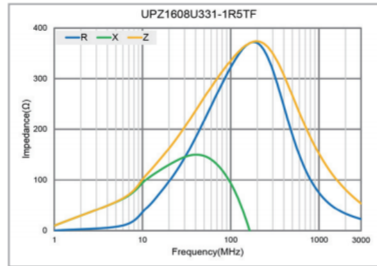
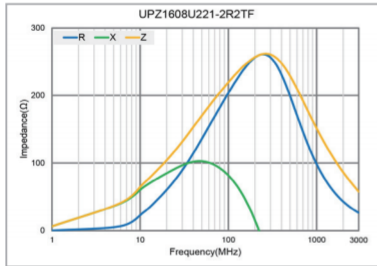
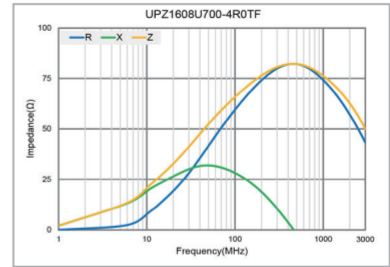
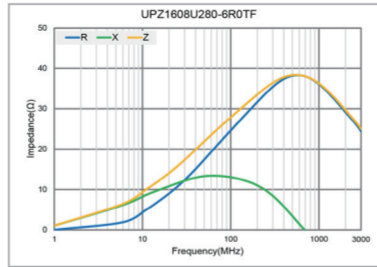
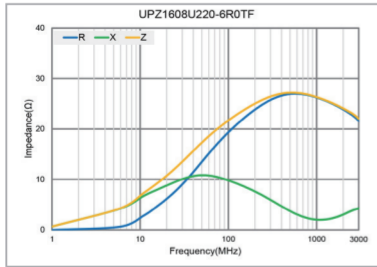
UPZ1608 TYPE



电气特性

Detail Electrical Characteristics

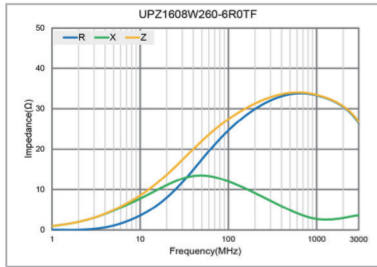
UPZ1608 TYPE



电气特性

Detail Electrical Characteristics

UPZ1608 TYPE



UPZ2012 TYPE

