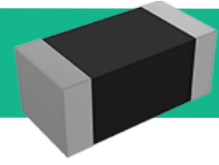


叠层片式音频磁珠—MZA 系列 Multilayer Chip Audio Bead – MZA Series



工作温度 Operating Temp

- ◆ $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

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
- ◆ 对高频段噪声具有优良的 EMI 抑制效果
- ◆ Perfect effect for EMI suppression at high frequency
- ◆ 较小的直流阻抗，适合于大电流线路
- ◆ Low DC resistance suitable for large current signals
- ◆ 具有优良的 THD+N 性能
- ◆ Excellent performance of THD+N

用途 Applications

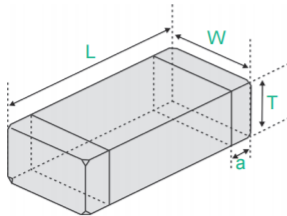
- ◆ 手机、TV 等电子设备的音频线路 EMI 抑制
- ◆ EMI Suppression of audio line, such as Mobile phones, TV and other equipment, etc.

产品型号 Product Identification

1	2	3	4	5	6	7
MZAH	1608	G	471	-1R6	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
	MZAS 高速信号音频磁珠 Audio Filter for High Speed Signal		1005 [0402] 1.0×0.5		F, G, K, D
	MZAH 高频噪声音频磁珠 Audio Filter for High Frequency Noise		1608 [0603] 1.6×0.8		
			2016 [0806] 2.0×1.6	6	包装 Packing
			3225 [1210] 3.2×2.5		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		R40 0.4A		F
	471 470Ω		1R6 1.6A		
	152 1500Ω				

外观尺寸 Shape and Dimensions



Unit: mm [inch]

Type	L	W	T	a
MZAH/MZAS1005 [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]
MZAH/MZAS1608 [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]
MZAS2016 [0806]	2.0 (+0.3, -0.1) [.079 (+.012, -.004)]	1.6±0.2 [.063±.008]	0.9±0.1 [.035±.004]	0.5±0.3 [.020±.012]
MZAS322515 [1210]	3.2 (+0.3, -0.1) [.126 (+.012, -.004)]	2.5±0.2 [.098±.008]	1.5±0.2 [.059±.008]	0.7±0.3 [.028±.012]
MZAS3225 [1210]	3.20±0.20 [.126±.008]	2.50±0.20 [.098±.008]	2.0±0.2 [.079±.008]	0.7±0.3 [.028±.012]

规格特性 Specifications

MZAH1005 Series

型号 Part Number	阻抗 Impedance			直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
	@900MHz(Typ.)	@900MHz(Min.)	@1.7GHz(Typ.)			
单位 Units	Ω			Ω	mA	mm [inch]
符号 Symbol	Z			DCR	I _r	T
MZAH1005F101-1R1TF	100	70	160	0.100	1100	0.5±0.15 [0.020±0.006]
MZAH1005F251-1R2TF	250	150	320	0.150	1200	
MZAH1005F331-R65TF	330	230	540	0.300	650	
MZAH1005F461-R90TF	460	300	600	0.170	900	
MZAH1005F771-R50TF	770	530	900	0.500	500	
MZAH1005F152-R40TF	1500	1000	1000	0.600	400	
MZAH1005F262-R35TF	2600	1800	1450	0.800	350	
MZAH1005F352-R27TF	3500	2500	1600	1.350	270	
MZAH1005F462-R27TF	4600	2800	1800	1.650	270	

MZAH1608 Series

型号 Part Number	阻抗 Impedance			直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
	@900MHz(Typ.)	@900MHz(Min.)	@1.7GHz(Typ.)			
单位 Units	Ω			Ω	mA	mm [inch]
符号 Symbol	Z			DCR	I _r	T
MZAH1608G471-1R6TF	470	280	270	0.075	1600	0.8±0.15 [.031±.006]

MZAS1005 Series

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	I _r	T
MZAS1005G700-R90TF	70±25%	100	0.200	900	0.5±0.15 [0.020±0.006]
MZAS1005G121-R80TF	120±25%	100	0.300	800	
MZAS1005G221-R70TF	220±25%	100	0.400	700	

MZAS1608 Series

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	I _r	T
MZAS1608G121-1R3TF	120±25%	100	0.140	1300	0.8±0.15 [.031±.006]
MZAS1608G251-1R1TF	250±25%	100	0.190	1100	
MZAS1608K501-R95TF	500±25%	100	0.250	950	
MZAS1608K701-R80TF	700±25%	100	0.290	800	

MZAS3225 Series

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	I _r	T
MZAS3225D300TF	20~40	100	0.0016	10000	2.0±0.2 [0.079±0.008]
MZAS3225U300-4R0TF	30±30%	10	0.035	4000	1.5±0.2 [.059±.008]
MZAS3225W300-4R0TF	30±30%	10	0.035	4000	1.5±0.2 [.059±.008]

※: 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。

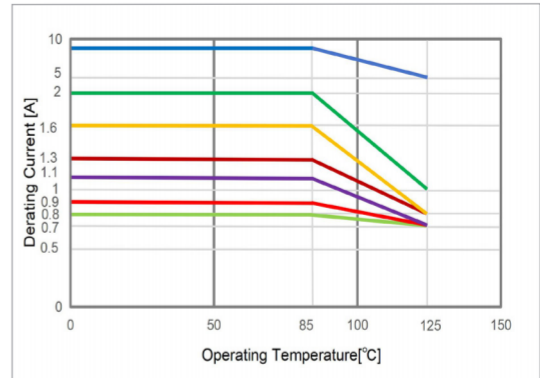
※: Products with other Electrical Characteristics can be provided upon customer's request. Please contact your local sales.

电气特性

Typical Electrical Characteristics

额定电流 Rated Current

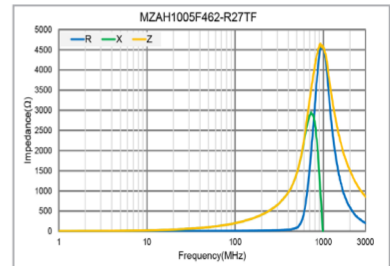
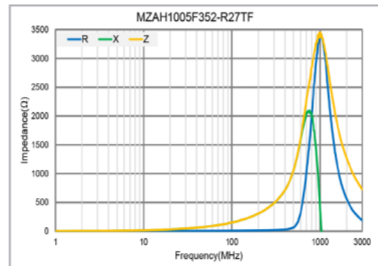
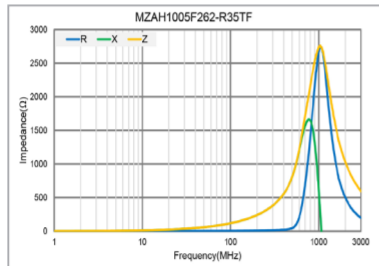
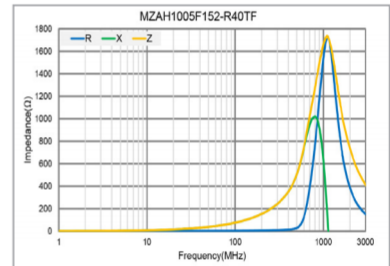
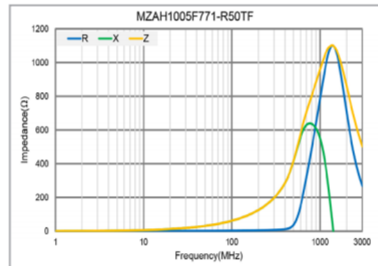
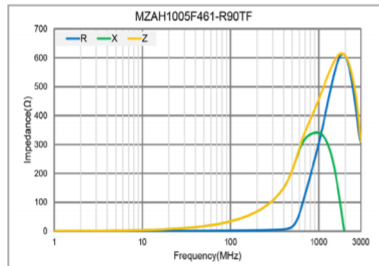
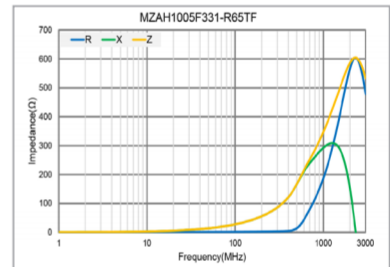
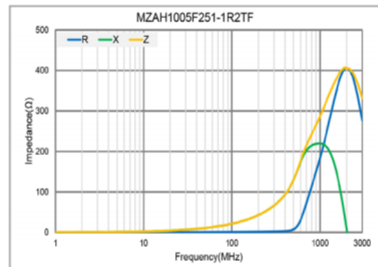
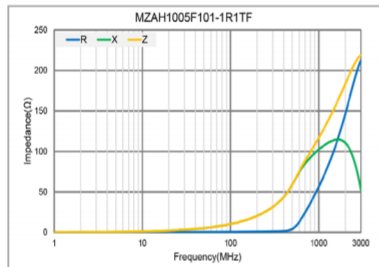
当工作温度超过 +85℃时，额定电流为 1000mA 及以上的片式铁氧体磁珠需要降额。请根据工作温度应用图表中所示的降额曲线。
When operating temperatures exceed +85℃, derating of current is necessary for chip ferrite beads for which rated current is 1000mA and over. Please apply the derating curve shown in chart according to the operating temperature.



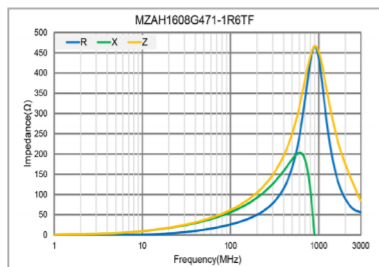
电气特性

Detail Electrical Characteristics

MZAH1005 Series



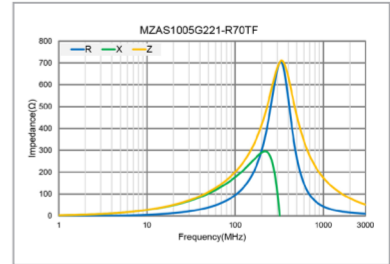
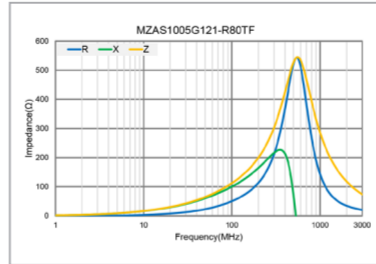
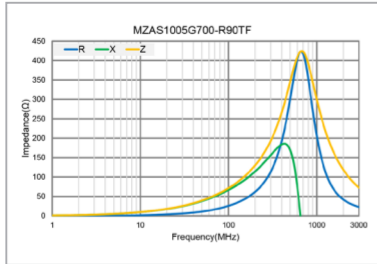
MZAH1608 Series



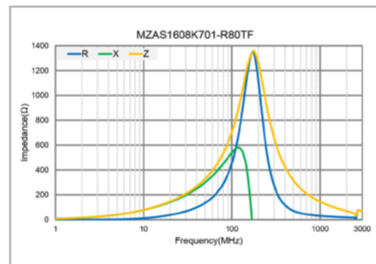
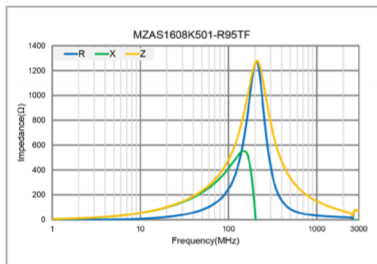
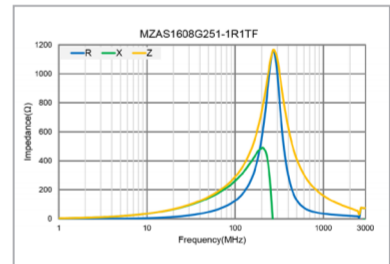
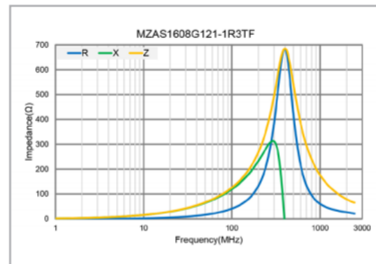
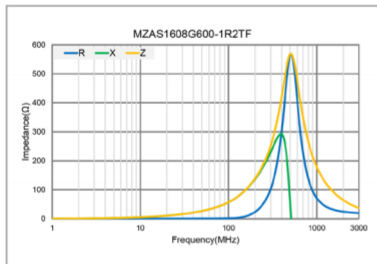
电气特性

Detail Electrical Characteristics

MZAS1005 Series



MZAS1608 Series



MZAS3225 Series

