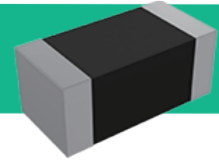


叠层片式大电流磁珠—MZPA 系列

Multilayer Chip Large Current Bead – MZPA Series



工作温度

Operating Temp

- ◆ $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

特征

Features

- ◆ 内部印有银电极的叠层结构，铁氧体屏蔽无串扰
- ◆ 对高频段噪声具有优良的 EMI 抑制效果
- ◆ 较小的直流阻抗，适合于大电流线路
- ◆ 具有优良的 THD+N 性能
- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ Perfect effect for EMI suppression at high Frequency
- ◆ Low DC resistance suitable for large current signals
- ◆ Excellent performance of THD+N

用途

Applications

- ◆ D 类功放、TV、扬声器等设备的音频线路
- ◆ GaN 快充电源适配器、服务器供电等大功率设备
- ◆ Audio line of Class D power amplifier, TV, speakers and other audio equipments.
- ◆ Large current line of GaN fast charging adapter, server power supply and other large power equipments

产品型号

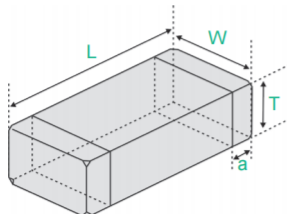
Product Identification

1	2	3	4	5	6	7
MZPA	2016	K	101	-4R0	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
MZPA	片式大电流功率磁珠 Chip High Current Power Bead	2012 [0805]	2.0×1.2		K, D
		2016 [0806]	2.0×1.6		
		2520 [1008]	2.5×2.0		
		3216 [1206]	3.2×1.6		
		3225 [1210]	3.2×2.5		
4	公称阻抗值 Nominal Impedance	5	额定电流值 Rated Current	6	包装 Packing
Example	Nominal Value	4R0	4 A	T	编带 Tape & Reel
101	100Ω	3R4	3.4A		
300	30Ω	3R1	3.1A		
102	1000Ω			7	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
MZPA2012 [0805]	2.0±0.2 [.079 ±.008]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008]	0.5±0.3 [.020±.012]
MZPA2016 [0806]	2.0±0.2 [.079 ±.008]	1.6±0.2 [.063±.008]	0.9±0.1 [.035±.004]	0.5±0.3 [.020±.012]
MZPA2520 [1008]	2.5(+0.3, -0.1) [.098(+.012, -.004)]	2.0±0.2 [.079 ±.008]	1.1±0.1 [.43±.004]	0.5±0.3 [.020±.012]
MZPA3216 [1206]	3.2±0.2 [0.126±0.008]	1.6±0.2 [.063±0.008]	1.10±0.2 [.043±0.008]	0.7±0.3 [.028±0.012]
MZPA3225 [1210]	3.2(+0.3, -0.1) [0.126(+.012, -.004)]	2.5±0.2 [.098±0.008]	1.1±0.2 [.043±0.008]	0.7±0.3 [.028±0.012]

规格特性 Specifications

MZPA2012 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 at 85°C Max. Rated Current at 85°C	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
MZPA2012D300-8R5TF	30 ± 25%	100	0.004	8500	0.85 ± 0.2 [.033 ± .008]

MZPA2016 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 at 85°C Max. Rated Current at 85°C	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
MZPA2016K101-4R0TF	100 ± 25%	100	0.018	4000	0.9 ± 0.1 [.035 ± .004]]
MZPA2016K181-3R4TF	180 ± 25%	100	0.025	3400	
MZPA2016K301-3R1TF	300 ± 25%	100	0.030	3100	
MZPA2016K601-2R5TF	600 ± 25%	100	0.046	2500	

MZPA2520 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 at 85°C Max. Rated Current at 85°C	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
MZPA2520D301-4R0TF	300 ± 25%	100	0.03	4000	1.1 ± 0.1 [.043 ± .004]
MZPA2520D601-4R0TF	600 ± 25%	100	0.03	4000	

MZPA3216 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 at 85°C Max. Rated Current at 85°C	额定电流 at 125°C Max. Rated Current at 125°C	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	I _r	T
MZPA3216D500-12R0TF	50 ± 25%	100	0.0016	12000	10000	1.1 ± 0.2 [0.043 ± 0.008]

MZPA3225 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 at 85°C Max. Rated Current at 85°C	厚度 Thickness
单位 Units	Ω	MHz	Ω	mA	mm [inch]
符号 Symbol	Z	Freq.	DCR	I _r	T
MZPA3225D301-5R0TF	300 ± 25%	100	0.025	5000	1.1 ± 0.2 [0.043 ± 0.008]
MZPA3225D471-4R5TF	470 ± 25%	100	0.030	4500	
MZPA3225D681-4R0TF	680 ± 25%	100	0.035	4000	

※: 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.

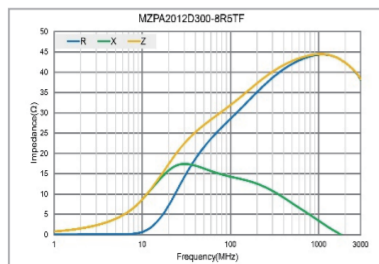
I_r (mA) Max.*: 当对产品施加额定电流时, 自身温升应限制在最大40°C。

I_r (mA) Max.*: When applied rated current to the products, self temperature rise shall be limited to 40°C max.

电气特性

Detail Electrical Characteristics

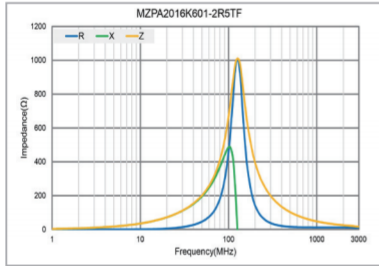
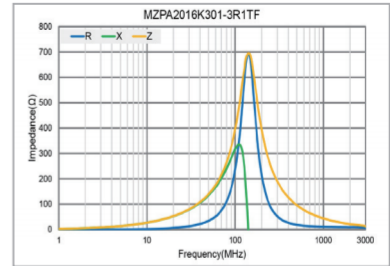
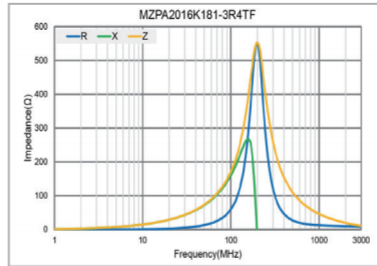
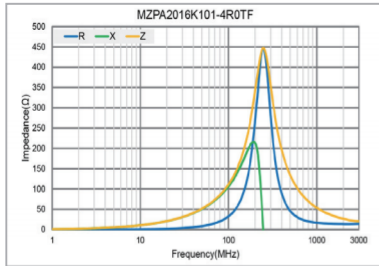
MZPA2012 Series



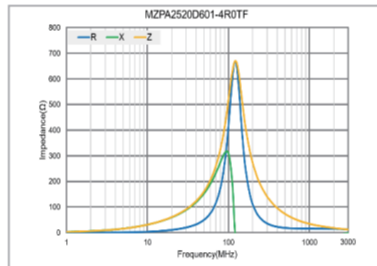
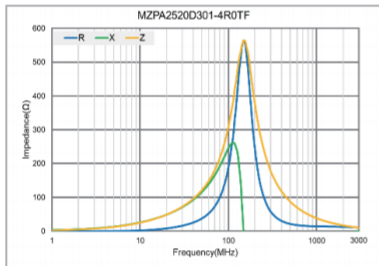
电气特性

Detail Electrical Characteristics

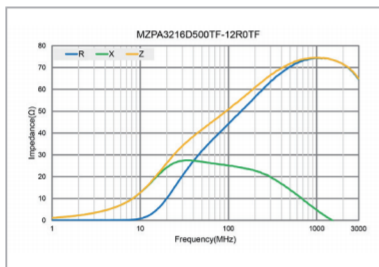
MZPA2016 Series



MZPA2520 Series



MZPA3216 Series



MZPA3225 Series

