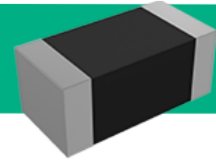


叠层片式大电流磁珠—MZPA 系列

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	8
MZPA	1608	K	080	-8R0	T	F	□□□

1	分类 Type
MZPA	片式大电流功率磁珠 Chip High Current Power Bead

2	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)
1608 [0603]	1.6×0.8
2012 [0805]	2.0×1.2
2016 [0806]	2.0×1.6
2520 [1008]	2.5×2.0
3216 [1206]	3.2×1.6
3225 [1210]	3.2×2.5

3	材料代号 Material Code
	K, D

6	包装 Packing
T	编带 Tape & Reel

7	无有害物质产品 Hazardous Substance Free Products
F	

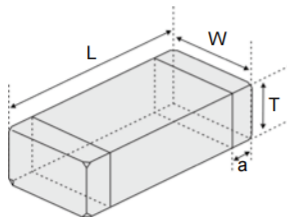
4	公称阻抗值 Nominal Impedance
Example	Nominal Value
300	30 Ω
301	300 Ω
601	600 Ω

5	额定电流值 Rated Current
3R1	3.1A
3R4	3.4A
4R0	4 A
8R0	8 A

8	内部代码 Internal Code
A01	

外观尺寸

Shape and Dimensions



Unit: mm [inch]

Type	L	W	T	a
MZPA1608 [0603]	1.6±0.15 [0.63±.006]	0.8±0.15 [0.31±.006]	0.6±0.15 [0.24±.006] 0.8±0.15 [0.31±.006]	0.4±0.2 [0.16±.008]
MZPA2012 [0805]	2.0±0.2 [0.79 ±.008]	1.25±0.2 [0.49±.008]	0.85±0.2 [0.33±.008]	0.5±0.3 [0.20±.012]
MZPA2016 [0806]	2.0±0.2 [0.79 ±.008]	1.6±0.2 [0.63±.008]	0.9±0.1 [0.35±.004]	0.5±0.3 [0.20±.012]
MZPA2520 [1008]	2.5(+0.3, -0.1) [0.98(+.012, -.004)]	2.0±0.2 [0.79 ±.008]	1.1±0.1 [0.43±.004]	0.5±0.3 [0.20±.012]
MZPA3216 [1206]	3.2±0.2 [0.126±0.008]	1.6±0.2 [0.63±0.008]	1.10±0.2 [0.43±0.008]	0.7±0.3 [0.28±0.012]
MZPA3225 [1210]	3.2(+0.3, -0.1) [0.126(+.012, -.004)]	2.5±0.2 [0.98±0.008]	1.1±0.2 [0.43±0.008]	0.7±0.3 [0.28±0.012]

规格特性 Specifications

MZPA1608 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	Ir	Ir	T
MZPA1608K080-8R0TFA01	8.5 $\pm$ 25%	100	0.004	8000	5000	0.6 $\pm$ 0.15 [.024 $\pm$.006]
MZPA1608K100-8R0TF	10 $\pm$ 25%	100	0.004	8000	5000	0.8 $\pm$ 0.15 [.031 $\pm$.006]]

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	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	Ir	Ir	T
MZPA2012D300-8R5TF	30 $\pm$ 25%	100	0.004	8500	6000	0.85 $\pm$ 0.2 [.033 $\pm$.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	Ir	T
MZPA2016K101-4R0TF	100 $\pm$ 25%	100	0.018	4000	0.9 $\pm$ 0.1 [.035 $\pm$.004]]
MZPA2016K181-3R4TF	180 $\pm$ 25%	100	0.025	3400	
MZPA2016K301-3R1TF	300 $\pm$ 25%	100	0.030	3100	
MZPA2016K601-2R5TF	600 $\pm$ 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	Ir	T
MZPA2520D301-4R0TF	300 $\pm$ 25%	100	0.03	4000	1.1 $\pm$ 0.1 [.043 $\pm$.004]
MZPA2520D601-4R0TF	600 $\pm$ 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	Ir	Ir	T
MZPA3216D500-12R0TF	50 $\pm$ 25%	100	0.0016	12000	10000	1.1 $\pm$ 0.2 [0.043 $\pm$ 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	Ir	T
MZPA3225D301-5R0TF	300 $\pm$ 25%	100	0.025	5000	1.1 $\pm$ 0.2 [0.043 $\pm$ 0.008]
MZPA3225D471-4R5TF	470 $\pm$ 25%	100	0.030	4500	
MZPA3225D681-4R0TF	680 $\pm$ 25%	100	0.035	4000	

※: Ir (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。

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

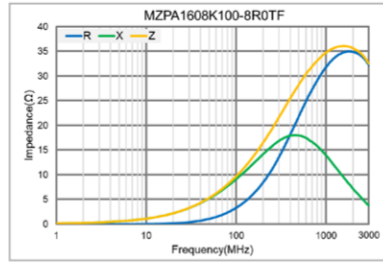
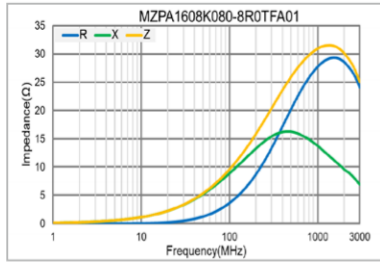
※: 可根据客户需求提供其他电气特性产品。请联系您当地的销售人员。

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

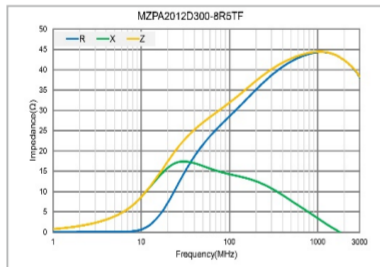
电气特性

Detail Electrical Characteristics

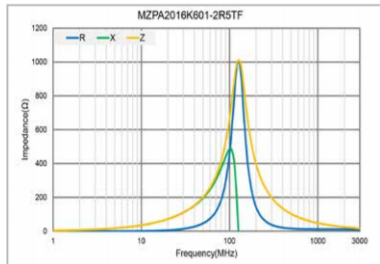
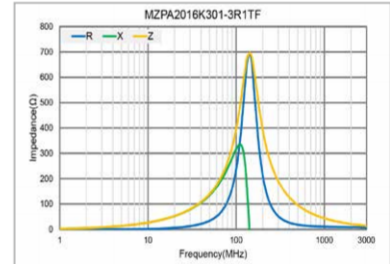
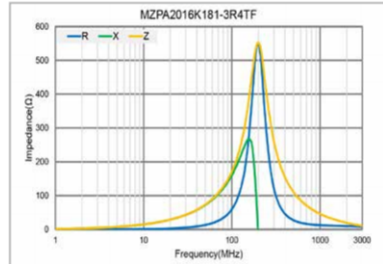
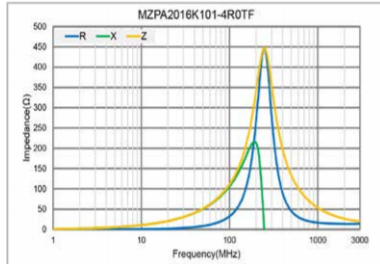
MZPA1608 Series



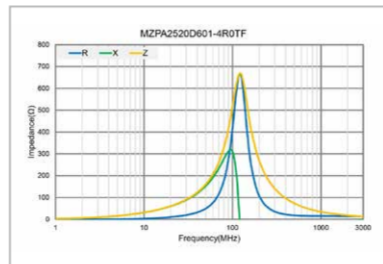
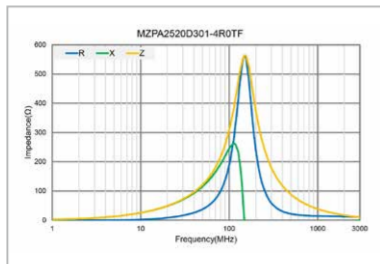
MZPA2012 Series



MZPA2016 Series



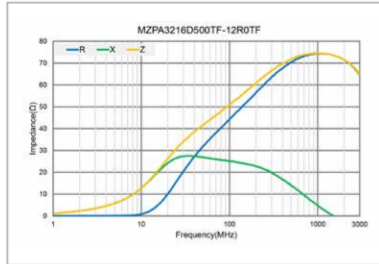
MZPA2520 Series



电气特性

Detail Electrical Characteristics

MZPA3216 Series



MZPA3225 Series

