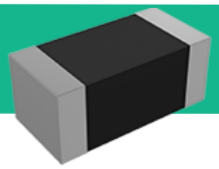
叠层片式铁氧体磁珠—HPZ 系列
Multilayer Chip Ferrite Bead – HPZ Series



工作温度 Operating Temp

- -55℃ ~+125℃

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（≥1GHz）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
- Perfect effect for EMI suppression at high frequency (≥1GHz).Low DC resistance suitable for large current signals
- 四种铁氧体材料、阻抗范围宽，适用于不同的电子线路
- Four types material and wide range of impedance values for various applications

用途 Applications

- 电脑及周边设备，家庭网关、LCD TV 等音视频设备，通讯设备，办公自动化等电子设备的高频噪声抑制
- High frequency noise suppression in electric equipments such as computers and peripheral devices, residential gateway, LCD TVs, communication equipments, OA equipments, etc.

产品型号 Product Identification

1	2	3	4	5	6	7	8
HPZ	1608	D	471	-R70	T	F	□□□

1

分类 Type	
HPZ	片式铁氧体高频大电流磁珠 Chip Ferrite Bead For High Frequency and Large Current

2

外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	
1005 [0402]	1.0×0.5
1608 [0603]	1.6×0.8

3

材料代号 Material Code
G, D, E, U

4

公称阻抗值 Nominal Impedance	
Example	Nominal Value
471	470Ω
102	1000Ω

5

额定电流值 Rated Current	
R70	0.7A
1R0	1.0A

6

包装 Packing	
T	编带 Tape & Reel

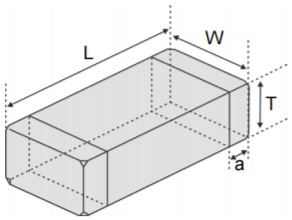
7

无有害物质产品 Hazardous Substance Free Products
F

8

设计代号 Design Code	
□□□	Design Code
* Standard Product Is Blank	

外观尺寸 Shape And Dimensions



Unit: mm [inch]

Type	L	W	T	a
HPZ1005 [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]
HPZ1608 [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]

规格特性
Specifications

HPZ1005 TYPE

型号 Part Number	阻抗 Impedance @100MHz	阻抗 Impedance @1GHz Min.	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω		Ω	mA	mm [inch]
符号 Symbol	Z		DCR	Ir	T
HPZ1005D121-R60TF	120±25%	100	0.25	600	0.5±0.15 [.020±.006]
HPZ1005D221-R50TF	220±25%	300	0.38	500	
HPZ1005U121-R60TF	120±25%	100	0.25	600	
HPZ1005U121-1R1TF	120±25%	100	0.13	1100	
HPZ1005U221-R50TF	220±25%	200	0.38	500	
HPZ1005U221-R70TF	220±25%	250	0.25	700	

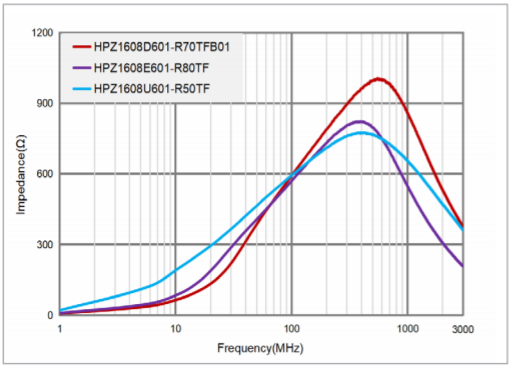
HPZ1608 TYPE

型号 Part Number	阻抗 Impedance @100MHz	阻抗 Impedance @1GHz Min.	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	厚度 Thickness
单位 Units	Ω		Ω	mA	mm [inch]
符号 Symbol	Z		DCR	Ir	T
HPZ1608G121-R90TFB01	120±25%	500	0.13	900	0.8±0.15 [.031±.006]
HPZ1608D121-1R5TF	120±25%	200	0.07	1500	
HPZ1608D151-R80TF	150±25%	200	0.20	800	
HPZ1608D151-1R5TF	150±25%	200	0.07	1500	
HPZ1608D221-R60TF	220±25%	300	0.25	600	
HPZ1608D221-1R2TF	220±25%	300	0.12	1200	
HPZ1608D331-R90TFB01	330±25%	380	0.15	900	
HPZ1608D391-R70TF	390±25%	600	0.18	700	
HPZ1608D471-R70TFB02	470±25%	550	0.22	700	
HPZ1608D601-R70TFB01	600±25%	750	0.24	700	
HPZ1608D102-R60TF	1000±25%	1000	0.35	600	
HPZ1608E601-R80TF	600±25%	500	0.25	800	
HPZ1608E102-R60TF	1000±25%	600	0.35	600	
HPZ1608E152-R50TF	1500±25%	1000	0.50	500	
HPZ1608U101-R80TF	100±25%	100	0.20	800	
HPZ1608U101-2R0TF	100±25%	100	0.055	2000	
HPZ1608U121-2R0TF	120±25%	110	0.055	2000	
HPZ1608U221-R60TF	220±25%	220	0.25	600	
HPZ1608U471-R50TF	470±25%	400	0.32	500	
HPZ1608U601-R50TF	600±25%	450	0.35	500	
HPZ1608U102-R15TF	1000±25%	750	0.90	150	

※: 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.

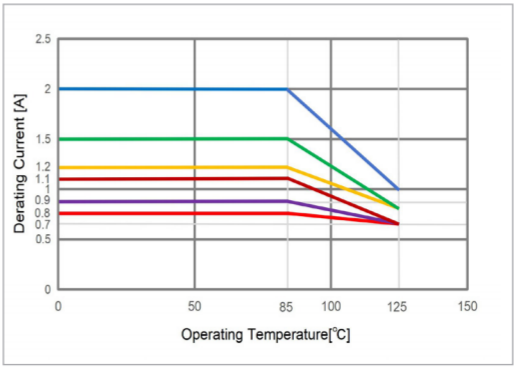
电气特性
Typical Electrical Characteristics

D, E, U Material Comparison



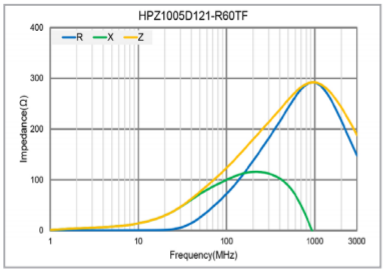
额定电流 Rated Current

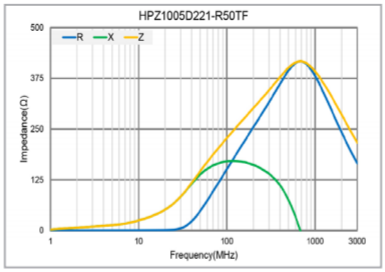
当工作温度超过 +85℃时，额定电流为 1000mA 及以上的片式铁氧体磁珠需要降额。请根据工作温度应用图表中所示的降额曲线。
When operating temperatures exceed +85℃, derating of current is necessary for chip ferrite beads for which ratedcurrent is 1000mA and over. Please apply the derating curve shown in chart according to the operating temperature.

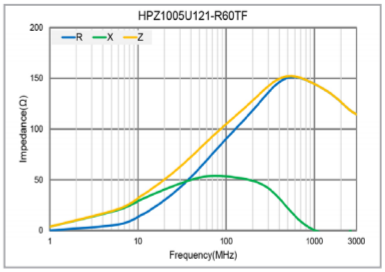


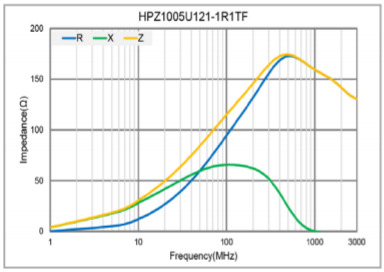
电气特性
Detail Electrical Characteristics

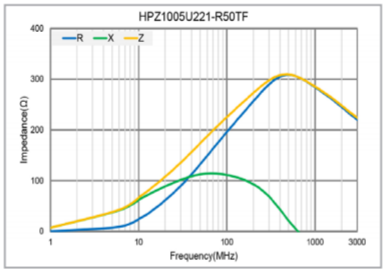
HPZ1005 TYPE

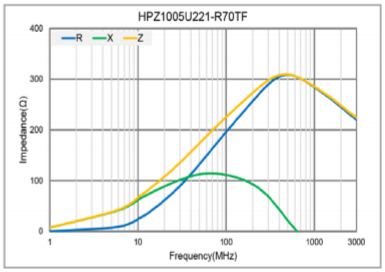




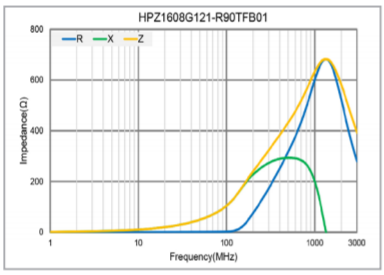


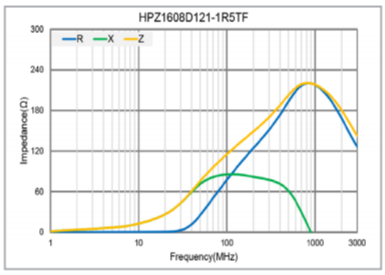


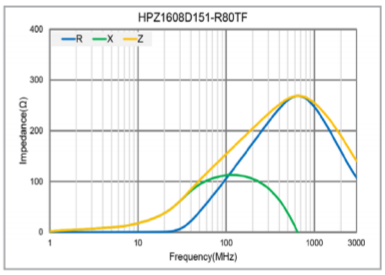


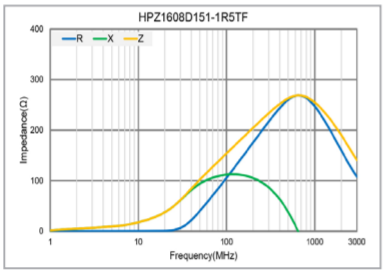


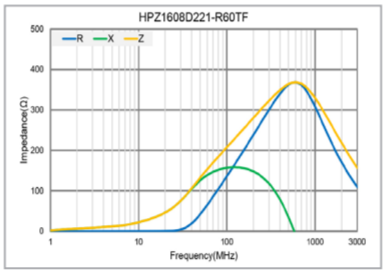
HPZ1608 TYPE

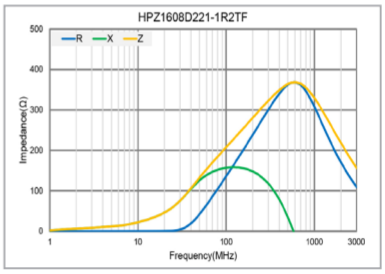


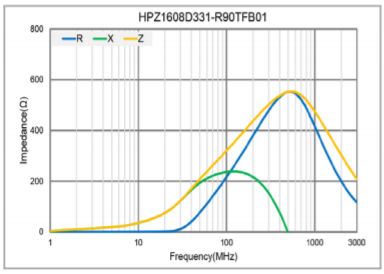


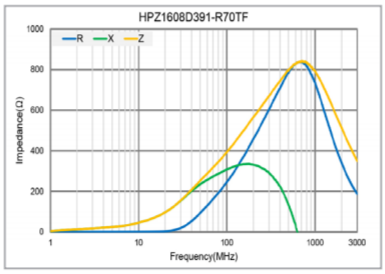


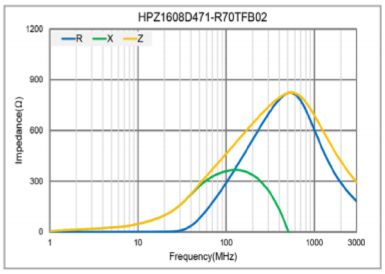












电气特性
Detail Electrical Characteristics

HPZ1608 TYPE