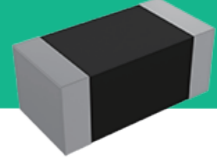


叠层片式铁氧体磁珠—GZ-C 系列

Multilayer Chip Ferrite Bead – GZ-C 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
- ◆ 在较宽的频率范围（几十 MHz 至几百 MHz）内具有优良的 EMI 抑制效果
- ◆ 相对 GZ 系列具有较小的直流电阻和较大的额定电流
- ◆ Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- ◆ Can be used in a wide range of frequency (from dozens of MHz to hundreds of MHz) to suppress EMI
- ◆ Smaller DC resistance and large rate current than GZ series

用途

Applications

- ◆ 电脑及周边设备，智能穿戴设备，LCD TV 等音视频设备，通讯设备，办公自动化等电子设备的低速信号线的噪声抑制
- ◆ Noise suppression for low speed signal of electric equipments such as computers and peripheral devices, smart wearable device, LCD TVs, communication equipments, OA equipments, etc.

产品型号

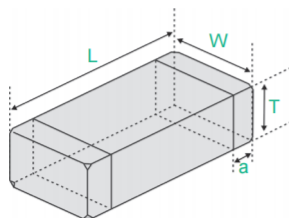
Product Identification



| | | | | | |
|----------|----------------------------|----------|--|----------|--|
| 1 | 分类 Type | 2 | 外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm) | 3 | 材料代号 Material Code |
| | GZ | | 0603 [0201] 0.6×0.3 1005 [0402] 1.0×0.5 1608 [0603] 1.6×0.8 | | D, E, U |
| | | | | 6 | 包装 Packing |
| | | | | | T 编带 Tape & Reel |
| 4 | 公称阻抗值 Nominal Impedance | 5 | 特征代码 Feature Code | 7 | 无有害物质产品 Hazardous Substance Free Products |
| | Example Nominal Value | | C | | F |
| | 400 40Ω | | | | |
| | 121 120Ω | | | | |
| | 102 1000Ω | | | | |

外观尺寸

Shape and Dimensions



Unit: mm [inch]

| Type | L | W | T | a |
|------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| GZ0603 [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] |
| GZ1005 [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] |
| GZ1608 [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] |

Multilayer Chip Ferrite Bead
Wire Wound Ferrite Bead
Multilayer Chip Common Mode Filter
Wire Wound Chip Common Mode Choke Coil for Signal Line

规格特性
Specifications

GZ0603-C 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 | Ω | mA | mm [inch] |
| 符号 Symbol | Z | Freq. | DCR | I _r | T |
| GZ0603D600CTF | 60±25% | 100 | 0.3 | 200 | 0.3±0.05 [.012±.002] |
| GZ0603D800CTF | 80±25% | 100 | 0.4 | 200 | |
| GZ0603D121CTF | 120±25% | 100 | 0.5 | 200 | |
| GZ0603D241CTF | 240±25% | 100 | 0.8 | 200 | |
| GZ0603D601CTF | 600±25% | 100 | 1.5 | 200 | |
| GZ0603D102CTF | 1000±25% | 100 | 2.0 | 100 | |

GZ1005-C 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 | Ω | mA | mm [inch] |
| 符号 Symbol | Z | Freq. | DCR | I _r | T |
| GZ1005D400CTF | 40±25% | 100 | 0.12 | 550 | 0.5±0.15 [.020±.006] |
| GZ1005D800CTF | 80±25% | 100 | 0.16 | 450 | |
| GZ1005D121CTF | 120±25% | 100 | 0.18 | 400 | |
| GZ1005D241CTF | 240±25% | 100 | 0.30 | 300 | |
| GZ1005D301CTF | 300±25% | 100 | 0.38 | 250 | |
| GZ1005D421CTF | 420±25% | 100 | 0.45 | 250 | |
| GZ1005D471CTF | 470±25% | 100 | 0.45 | 250 | |
| GZ1005D501CTF | 500±25% | 100 | 0.50 | 250 | |
| GZ1005D601CTF | 600±25% | 100 | 0.50 | 250 | |
| GZ1005D751CTF | 750±25% | 100 | 0.65 | 150 | |
| GZ1005D102CTF | 1000±25% | 100 | 0.70 | 150 | |
| GZ1005D152CTF | 1500±25% | 100 | 1.15 | 100 | |
| GZ1005E800CTF | 80±25% | 100 | 0.2 | 500 | |
| GZ1005E121CTF | 120±25% | 100 | 0.25 | 500 | |
| GZ1005E241CTF | 240±25% | 100 | 0.40 | 400 | |
| GZ1005E601CTF | 600±25% | 100 | 0.60 | 300 | |
| GZ1005U100CTF | 0~15 | 100 | 0.03 | 1000 | |
| GZ1005U300CTF | 30±25% | 100 | 0.06 | 700 | |
| GZ1005U700CTF | 70±25% | 100 | 0.10 | 700 | |
| GZ1005U121CTF | 120±25% | 100 | 0.20 | 500 | |
| GZ1005U221CTF | 220±25% | 100 | 0.30 | 400 | |
| GZ1005U301CTF | 300±25% | 100 | 0.50 | 300 | |
| GZ1005U421CTF | 420±25% | 100 | 0.52 | 300 | |
| GZ1005U601CTF | 600±25% | 100 | 0.55 | 300 | |
| GZ1005U102CTF | 1000±25% | 100 | 0.58 | 300 | |

GZ1608-C 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 | Ω | mA | mm [inch] |
| 符号 Symbol | Z | Freq. | DCR | I _r | T |
| GZ1608D121CTF | 120±25% | 100 | 0.20 | 500 | 0.8±0.15 [.031±.006] |
| GZ1608D241CTF | 240±25% | 100 | 0.30 | 500 | |
| GZ1608D301CTF | 300±25% | 100 | 0.35 | 500 | |
| GZ1608D471CTF | 470±25% | 100 | 0.40 | 500 | |
| GZ1608D601CTF | 600±25% | 100 | 0.40 | 500 | |

规格特性 Specifications

GZ1608-C 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 | Ω | mA | mm [inch] |
| 符号 Symbol | Z | Freq. | DCR | I _r | T |
| GZ1608D102CTF | 1000 ± 25% | 100 | 0.50 | 400 | 0.8 ± 0.15 [.031 ± .006] |
| GZ1608D152CTF | 1500 ± 25% | 100 | 0.60 | 300 | |
| GZ1608E121CTF | 120 ± 25% | 100 | 0.20 | 500 | |
| GZ1608E102CTF | 1000 ± 25% | 100 | 0.50 | 400 | |
| GZ1608U600CTF | 60 ± 25% | 100 | 0.10 | 800 | |
| GZ1608U800CTF | 80 ± 25% | 100 | 0.10 | 600 | |
| GZ1608U121CTF | 120 ± 25% | 100 | 0.18 | 500 | |
| GZ1608U151CTF | 150 ± 25% | 100 | 0.25 | 500 | |
| GZ1608U221CTF | 220 ± 25% | 100 | 0.25 | 500 | |
| GZ1608U301CTF | 300 ± 25% | 100 | 0.25 | 500 | |
| GZ1608U471CTF | 470 ± 25% | 100 | 0.35 | 500 | |
| GZ1608U601CTF | 600 ± 25% | 100 | 0.38 | 500 | |
| GZ1608U102CTF | 1000 ± 25% | 100 | 0.50 | 400 | |

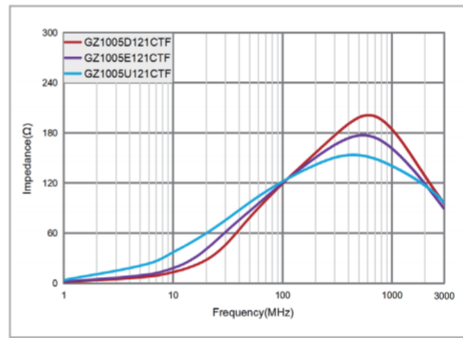
※: 可根据客户需求提供其他电气特性产品, 请联系您当地的销售人员。

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

电气特性

Typical Electrical Characteristics

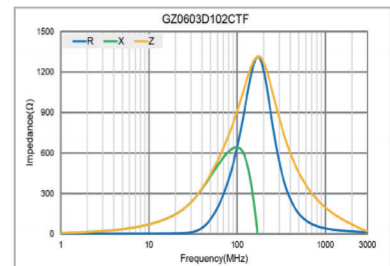
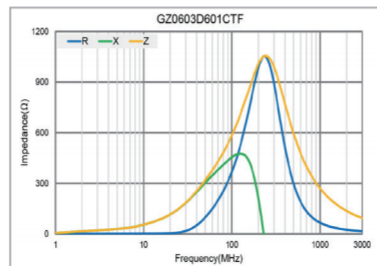
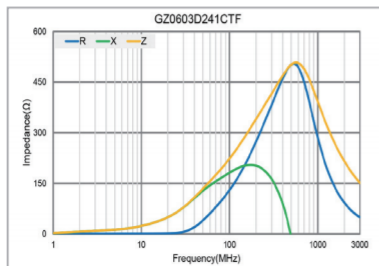
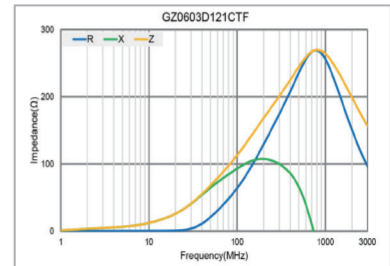
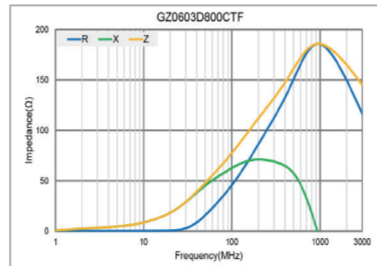
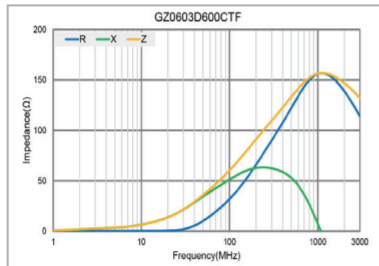
D, E, U Material Comparison



电气特性

Detail Electrical Characteristics

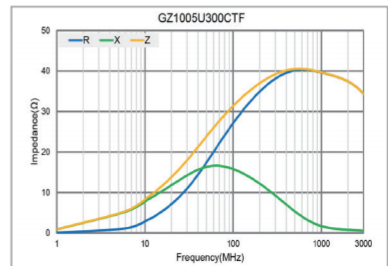
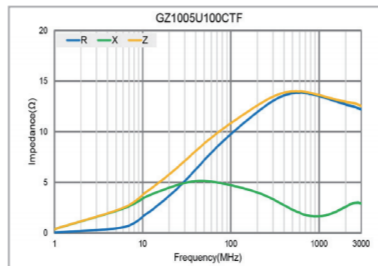
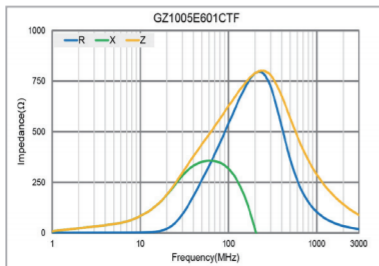
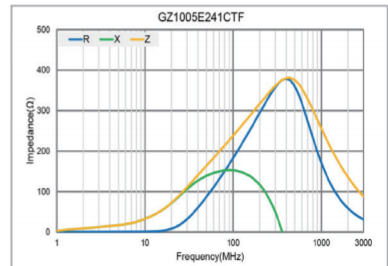
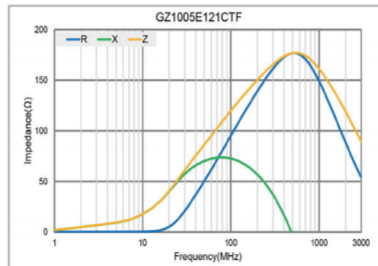
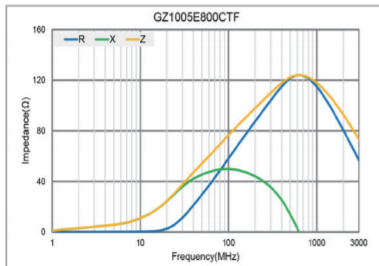
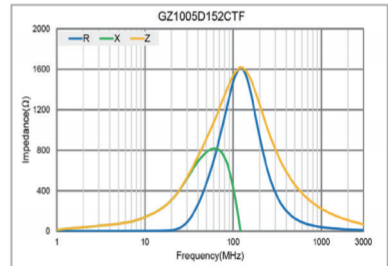
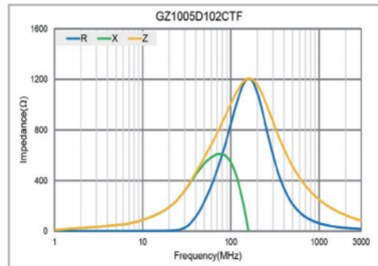
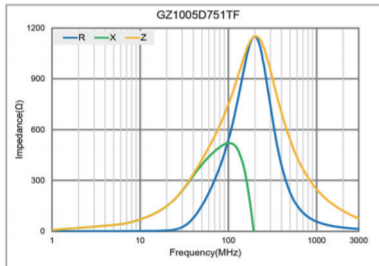
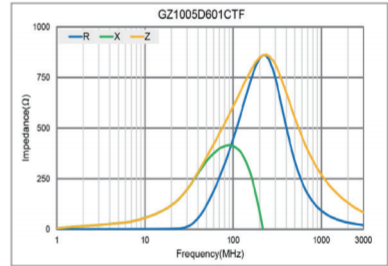
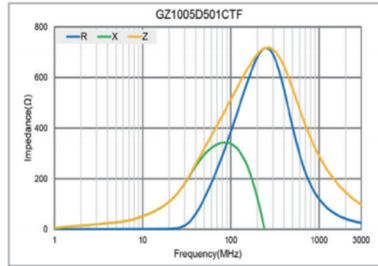
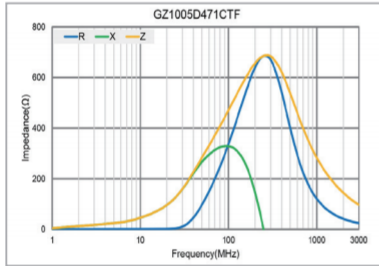
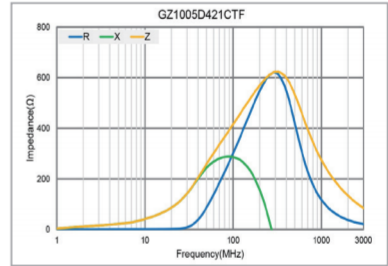
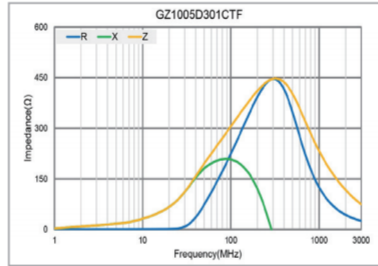
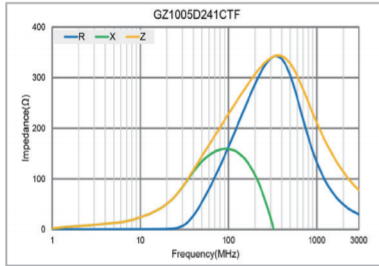
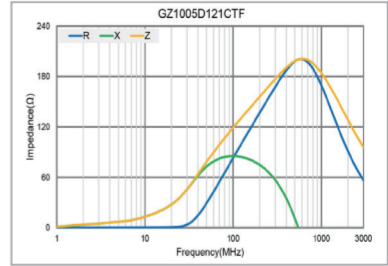
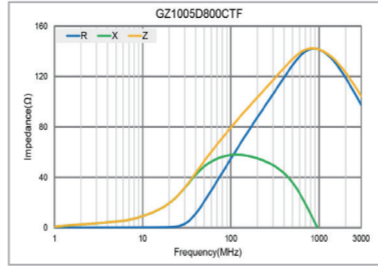
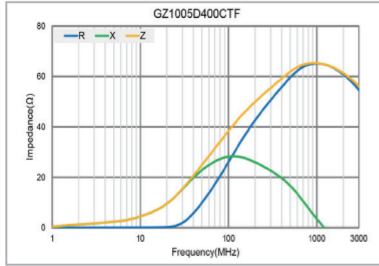
GZ0603-C TYPE



电气特性

Detail Electrical Characteristics

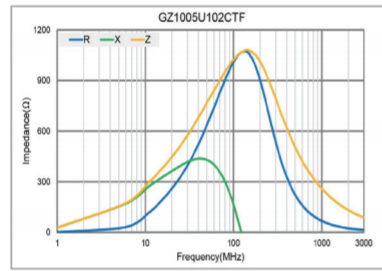
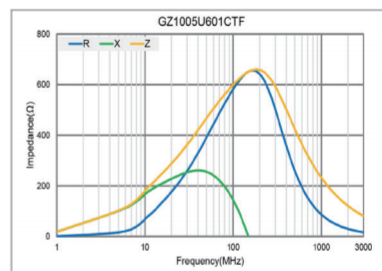
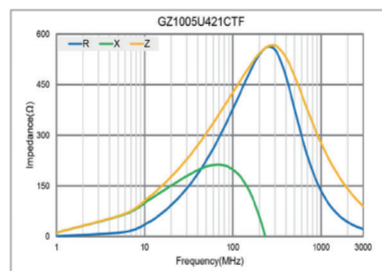
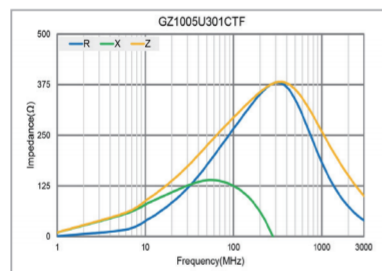
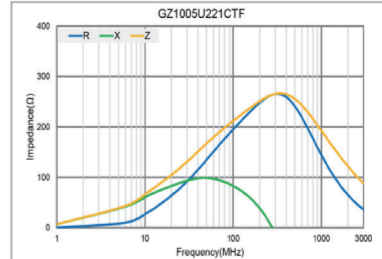
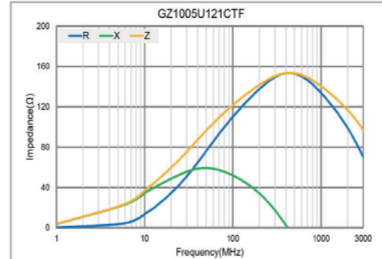
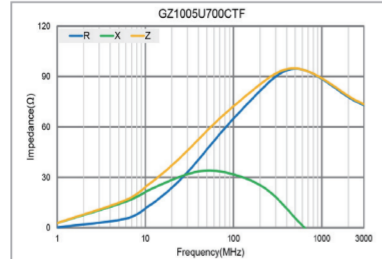
GZ1005-C TYPE



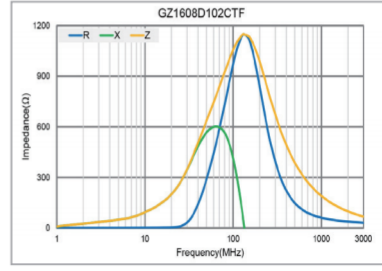
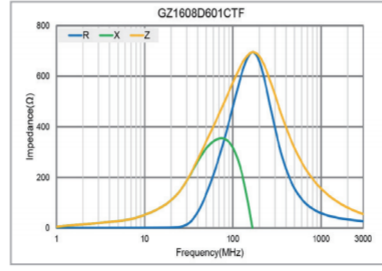
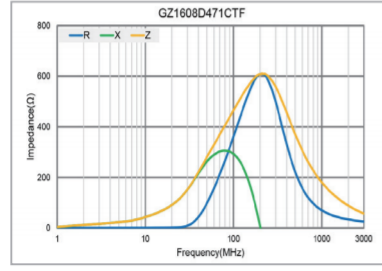
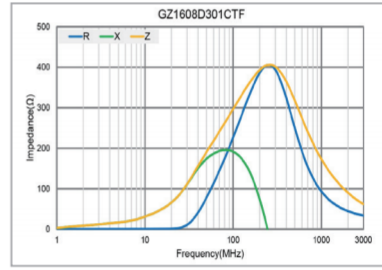
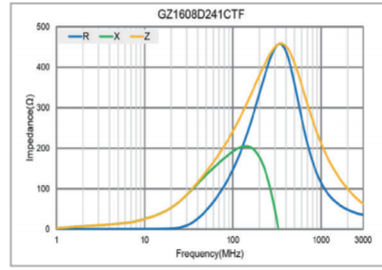
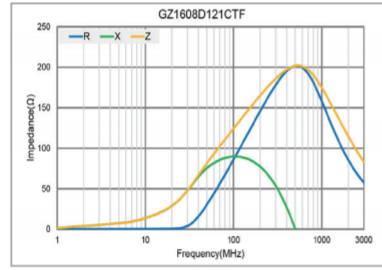
电气特性

Detail Electrical Characteristics

GZ1005-C TYPE



GZ1608-C TYPE



Multilayer Chip Ferrite Bead
 Wire Wound Ferrite Bead
 Multilayer Chip Common Mode Filter
 Wire Wound Chip Common Mode Choke Coil for Signal Line

电气特性

Detail Electrical Characteristics

GZ1608-C TYPE

