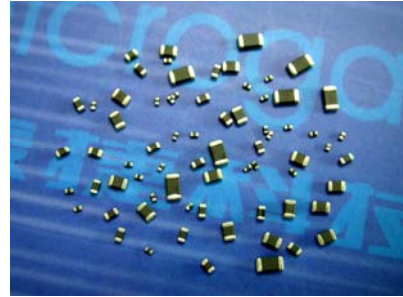


## Multilayer Chip Large Current higher loss inductor 叠层片式大电流高损耗电感

### FEATURES 特点

- Multilayer monolithic construction yields high reliability  
独石结构、高可靠性
- A unique terminal electrode structure ensures high permissible current, 4A max.  
特别的设计可承受最大4A的电流
- High impedance over a wide frequency range  
在较宽的频段具有高阻抗



### APPLICATIONS 应用

- Video equipment, audio equipment 视频音频设备
- Automotive electrical equipment 电气自动化设备
- Communication equipment 通讯设备
- OA equipment and other OA设备及其它领域

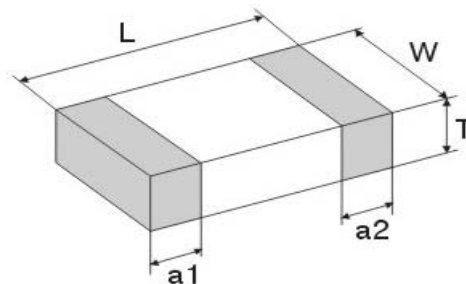
### Product Identification 产品标识

MGLB 2012 M 121 T 2R0 - LF

①      ②      ③      ④      ⑤      ⑥      ⑦

- ① Series name 系列名称
- ② Dimensions 产品尺寸 L\*W(2012=2.0\*1.2mm)
- ③ Material code 材料代码
- ④ Impedance 阻抗 (121=12\*10<sup>1</sup>=120Ω, 102=10\*10<sup>2</sup>=1000Ω)
- ⑤ Packing Style 包装方式 (T: Taping 编带盘装      B: Bulk 散装)
- ⑥ Current 电流 (0R5=0.5A 2R0=2A)
- ⑦ Lead free products 无铅产品

### Shapes And Dimensions 外形及尺寸示意图



| Type<br>型号  | Dimensions (mm) [inch]  |                         |                         |                         |
|-------------|-------------------------|-------------------------|-------------------------|-------------------------|
|             | L长                      | W宽                      | T高                      | a1, a2                  |
| 1005 [0402] | 1.00±0.15 [0.04±0.006]  | 0.50±0.15 [0.02±0.006]  | 0.50±0.15 [0.02±0.006]  | 0.25±0.10 [0.01±0.004]  |
| 1608 [0603] | 1.60±0.15 [0.063±0.006] | 0.80±0.15 [0.031±0.006] | 0.80±0.15 [0.031±0.006] | 0.30±0.20 [0.012±0.008] |
| 2012 [0805] | 2.00±0.20 [0.079±0.008] | 1.25±0.20 [0.049±0.008] | 0.85±0.20 [0.033±0.008] | 0.50±0.30 [0.02±0.012]  |
| 3216 [1206] | 3.20±0.20 [0.126±0.008] | 1.60±0.20 [0.063±0.008] | 0.90±0.20 [0.035±0.008] | 0.50±0.30 [0.02±0.012]  |

注：本 PDF 文件只提供了产品主要资料，因此在您希望订购或详细了解产品相关资料时，请及时联系麦捷科技以获得最新、最全的产品资料。

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Electrical Characteristics 电气性能

MGLB 1005 (0402) Series

| Part No.         | Impedance ( $\Omega$ )<br>$\pm 25\%$ | Z Test Freq.<br>(MHz) | RDC( $\Omega$ )<br>/max | I <sub>r</sub> (mA)<br>/max |
|------------------|--------------------------------------|-----------------------|-------------------------|-----------------------------|
| MGLB1005M050□2R0 | 5                                    | 100                   | 0.05                    | 2000                        |
| MGLB1005M110□2R0 | 11                                   | 100                   | 0.05                    | 2000                        |
| MGLB1005M310□1R5 | 31                                   | 100                   | 0.06                    | 1500                        |
| MGLB1005M600□1R5 | 60                                   | 100                   | 0.08                    | 1500                        |
| MGLB1005M121□1R2 | 120                                  | 100                   | 0.10                    | 1200                        |
| MGLB1005M221□1R0 | 220                                  | 100                   | 0.15                    | 1000                        |
| MGLB1005M301□1R0 | 300                                  | 100                   | 0.20                    | 1000                        |

MGLB 1608 (0603) Series

| Part No.         | Impedance ( $\Omega$ )<br>$\pm 25\%$ | Z Test Freq.<br>(MHz) | RDC( $\Omega$ )<br>/max | I <sub>r</sub> (mA)<br>/max |
|------------------|--------------------------------------|-----------------------|-------------------------|-----------------------------|
| MGLB1608M050□2R0 | 5                                    | 100                   | 0.03                    | 2000                        |
| MGLB1608M110□2R0 | 11                                   | 100                   | 0.03                    | 2000                        |
| MGLB1608M310□1R5 | 31                                   | 100                   | 0.05                    | 1500                        |
| MGLB1608M600□1R5 | 60                                   | 100                   | 0.08                    | 1500                        |
| MGLB1608M121□1R2 | 120                                  | 100                   | 0.10                    | 1200                        |
| MGLB1608M221□1R0 | 220                                  | 100                   | 0.15                    | 1000                        |
| MGLB1608M301□1R0 | 300                                  | 100                   | 0.20                    | 1000                        |
| MGLB1608M501□0R8 | 500                                  | 100                   | 0.28                    | 800                         |
| MGLB1608M601□0R8 | 600                                  | 100                   | 0.35                    | 800                         |

## Multilayer Chip Large Current higher loss inductor 叠层片式大电流高损耗电感

### MGLB 2012 (0805) Series

| Part No.         | Impedance ( $\Omega$ )<br>$\pm 25\%$ | Z Test Freq.<br>(MHz) | RDC( $\Omega$ )<br>/max | I <sub>r</sub> (mA)<br>/max |
|------------------|--------------------------------------|-----------------------|-------------------------|-----------------------------|
| MGLB2012M070□4R0 | 7                                    | 100                   | 0.02                    | 4000                        |
| MGLB2012M110□3R0 | 11                                   | 100                   | 0.02                    | 3000                        |
| MGLB2012M310□3R0 | 31                                   | 100                   | 0.03                    | 3000                        |
| MGLB2012M600□3R0 | 60                                   | 100                   | 0.05                    | 3000                        |
| MGLB2012M101□2R0 | 100                                  | 100                   | 0.08                    | 2000                        |
| MGLB2012M121□2R0 | 120                                  | 100                   | 0.10                    | 2000                        |
| MGLB2012M181□2R0 | 180                                  | 100                   | 0.15                    | 2000                        |
| MGLB2012M221□2R0 | 220                                  | 100                   | 0.17                    | 2000                        |
| MGLB2012M301□1R5 | 300                                  | 100                   | 0.20                    | 1500                        |
| MGLB2012M601□1R2 | 600                                  | 100                   | 0.25                    | 1200                        |
| MGLB2012M102□1R0 | 1000                                 | 100                   | 0.30                    | 1000                        |

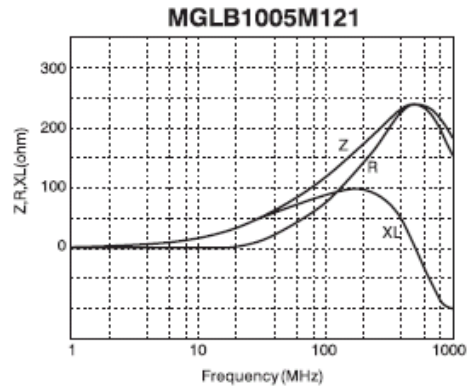
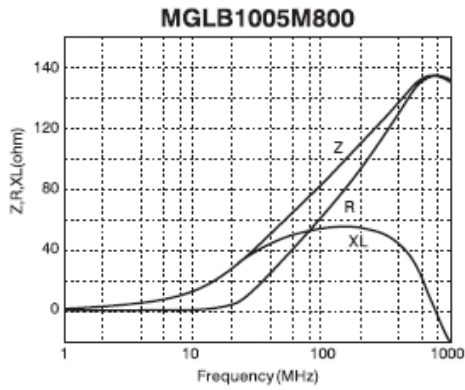
### MGLB 3216 (1206) Series

| Part No.         | Impedance ( $\Omega$ )<br>$\pm 25\%$ | Z Test Freq.<br>(MHz) | RDC( $\Omega$ )<br>/max | I <sub>r</sub> (mA)<br>/max |
|------------------|--------------------------------------|-----------------------|-------------------------|-----------------------------|
| MGLB3216M110□4R0 | 11                                   | 100                   | 0.02                    | 4000                        |
| MGLB3216M190□4R0 | 19                                   | 100                   | 0.02                    | 4000                        |
| MGLB3216M260□4R0 | 26                                   | 100                   | 0.02                    | 4000                        |
| MGLB3216M310□4R0 | 31                                   | 100                   | 0.02                    | 4000                        |
| MGLB3216M700□3R0 | 70                                   | 100                   | 0.05                    | 3000                        |
| MGLB3216M121□3R0 | 120                                  | 100                   | 0.05                    | 3000                        |
| MGLB3216M181□2R5 | 180                                  | 100                   | 0.10                    | 2500                        |
| MGLB3216M221□2R5 | 220                                  | 100                   | 0.10                    | 2500                        |
| MGLB3216M301□2R2 | 300                                  | 100                   | 0.15                    | 2200                        |
| MGLB3216M601□2R2 | 600                                  | 100                   | 0.20                    | 2000                        |
| MGLB3216M102□1R5 | 1000                                 | 100                   | 0.30                    | 1500                        |
| MGLB3216M122□1R2 | 1200                                 | 100                   | 0.30                    | 1200                        |
| MGLB3216M152□1R0 | 1500                                 | 100                   | 0.35                    | 1000                        |
| MGLB3216M202□0R7 | 2000                                 | 100                   | 0.45                    | 700                         |

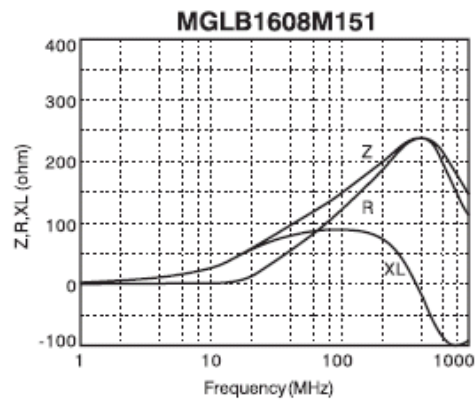
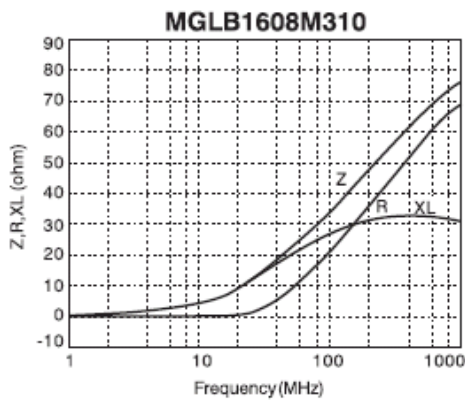
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Characteristic curve 特性曲线

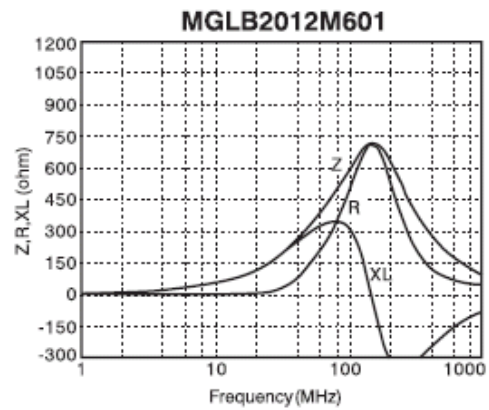
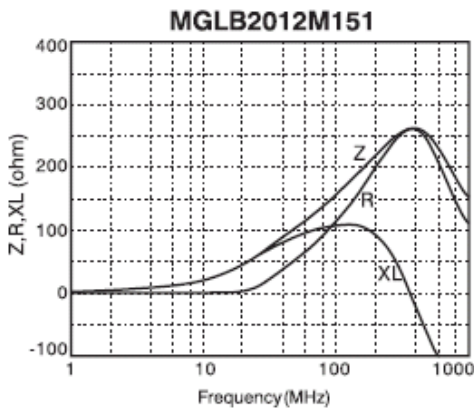
MGLB 1005 (0402) Series



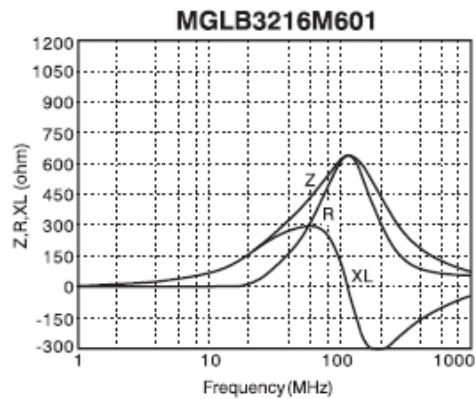
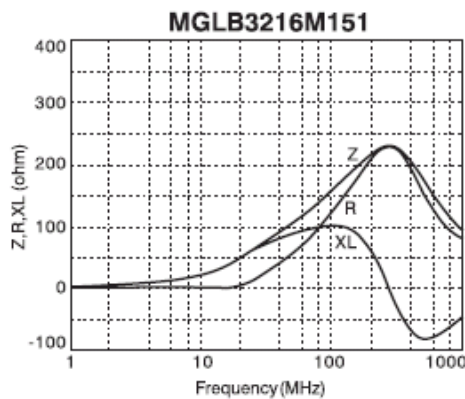
MGLB1608 (0603) Series



MGLB 2012 (0805) Series



MGLB 3216 (1206) Series



单击下面可查看定价，库存，交付和生命周期等信息

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