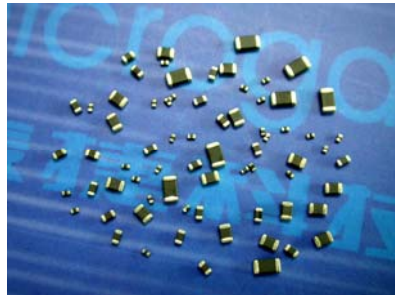


## Multilayer Chip Large Current higher loss inductor 叠层片式大电流高损耗电感

### 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

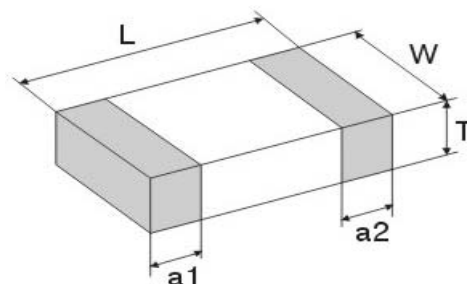
### Product Identification 产品标识

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 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]

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

Electrical Characteristics 电气性能

MGLB 1005 (0402) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /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 ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /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 ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /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

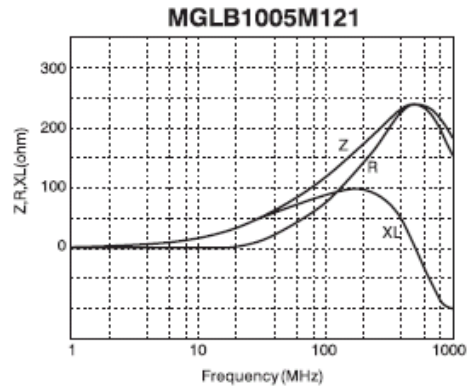
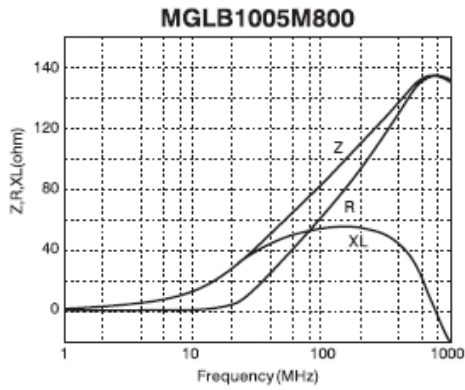
### MGLB 3216 (1206) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /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

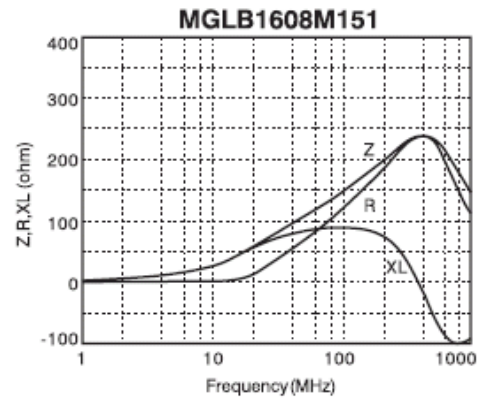
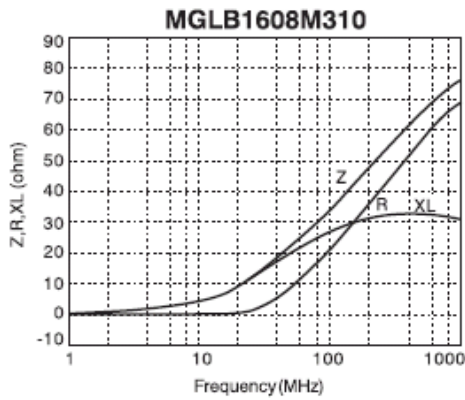
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Characteristic curve 特性曲线

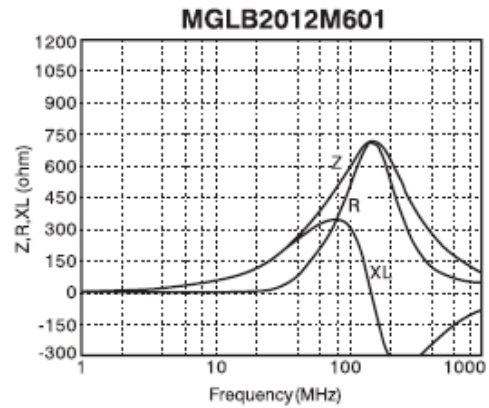
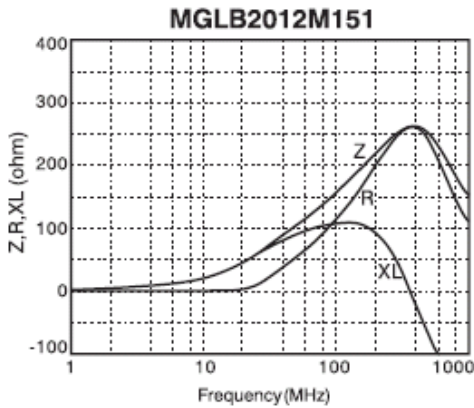
MGLB 1005 (0402) Series



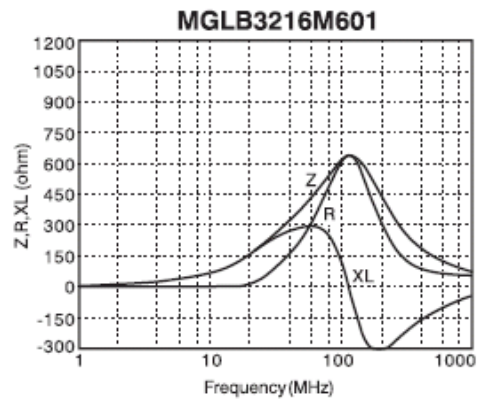
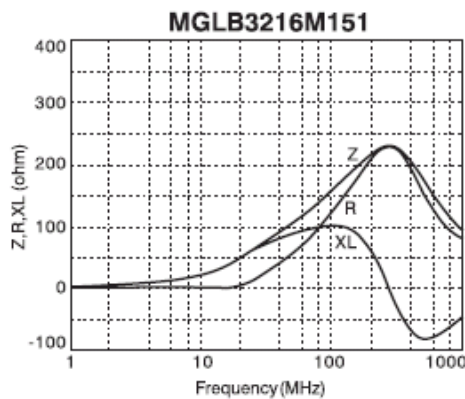
MGLB1608 (0603) Series



MGLB 2012 (0805) Series



MGLB 3216 (1206) Series



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