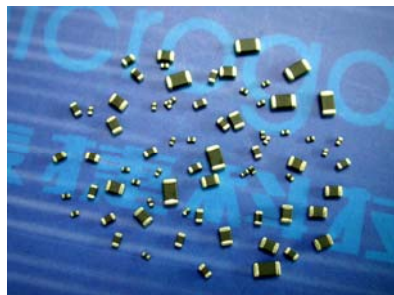


## Multilayer Chip Large Current Bead 叠层片式大电流磁珠

### 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

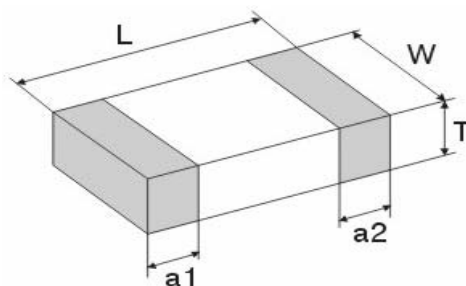
- **Video equipment, audio equipment** 视频音频设备
- **Automotive electrical equipment** 电气自动化设备
- **Communication equipment** 通讯设备
- **OA equipment and other OA设备及其它领域**

### Product Identification 产品标识

HLLB    2012    M    101    I - LF  
 ①            ②            ③            ④            ⑤            ⑥

- ① **Series name** 系列名称
- ② **Dimension** 产品尺寸 L×W: 【2012= 2.0mm×1.2mm】
- ③ **Material code** 材料代码
- ④ **Impedance** 阻抗值: 【100=10Ω    101=100Ω    102=1000Ω】
- ⑤ **Packing Style**: 【 T: Taping 编带盘装    B: Bulk 散装】
- ⑥ **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]

# Multilayer Chip Large Current Bead 叠层片式大电流磁珠

## Electrical Characteristics 电气性能

### HLLB 1005 (0402) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HLLB1005M050	5	100	0.05	2000
HLLB1005M110	11	100	0.05	2000
HLLB1005M310	31	100	0.06	1500
HLLB1005M600	60	100	0.08	1500
HLLB1005M121	120	100	0.10	1200
HLLB1005M221	220	100	0.15	1000
HLLB1005M301	300	100	0.20	1000

### HLLB 1608 (0603) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HLLB1608M050	5	100	0.03	2000
HLLB1608M110	11	100	0.03	2000
HLLB1608M310	31	100	0.05	1500
HLLB1608M600	60	100	0.08	1500
HLLB1608M121	120	100	0.10	1200
HLLB1608M221	220	100	0.15	1000
HLLB1608M301	300	100	0.20	1000
HLLB1608M501	500	100	0.28	800
HLLB1608M601	600	100	0.35	800

## Multilayer Chip Large Current Bead 叠层片式大电流磁珠

### HLLB 2012 (0805) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HLLB2012M070	7	100	0.02	4000
HLLB2012M110	11	100	0.02	3000
HLLB2012M310	31	100	0.03	3000
HLLB2012M600	60	100	0.05	3000
HLLB2012M101	100	100	0.08	2000
HLLB2012M121	120	100	0.10	2000
HLLB2012M181	180	100	0.15	2000
HLLB2012M221	220	100	0.17	2000
HLLB2012M301	300	100	0.20	1500
HLLB2012M601	600	100	0.25	1200
HLLB2012M102	1000	100	0.30	1000

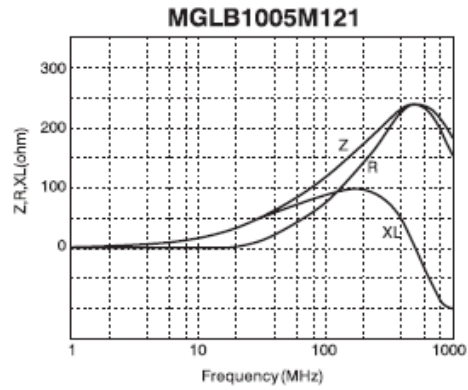
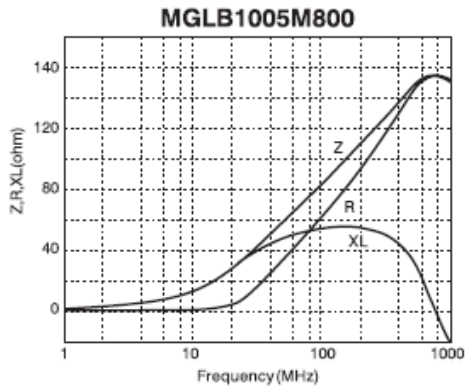
### HLLB 3216 (1206) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HLLB3216M110	11	100	0.02	4000
HLLB3216M190	19	100	0.02	4000
HLLB3216M260	26	100	0.02	4000
HLLB3216M310	31	100	0.02	4000
HLLB3216M700	70	100	0.05	3000
HLLB3216M121	120	100	0.05	3000
HLLB3216M181	180	100	0.10	2500
HLLB3216M221	220	100	0.10	2500
HLLB3216M301	300	100	0.15	2200
HLLB3216M601	600	100	0.20	2000
HLLB3216M102	1000	100	0.30	1500
HLLB3216M122	1200	100	0.30	1200
HLLB3216M152	1500	100	0.35	1000
HLLB3216M202	2000	100	0.45	700

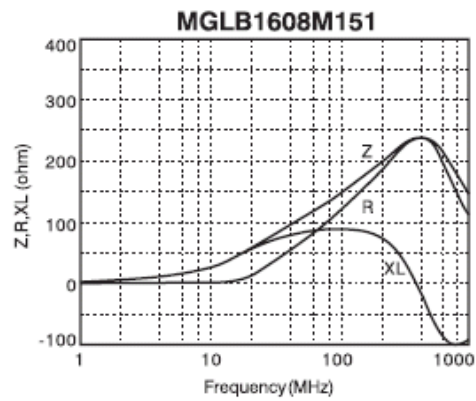
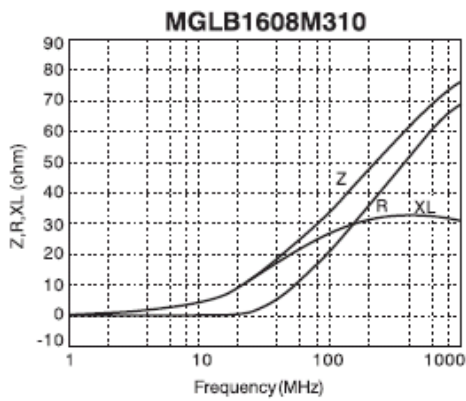
# Multilayer Chip Large Current Bead 叠层片式大电流磁珠

## Characteristic curve 特性曲线

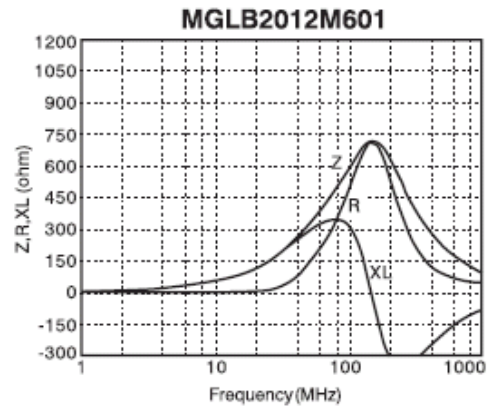
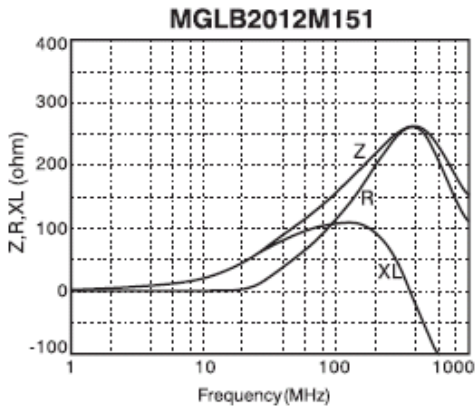
### HLLB 1005 (0402) Series



### HLLB1608 (0603) Series



### HLLB 2012 (0805) Series



### HLLB 3216 (1206) Series

