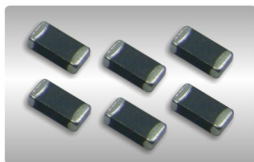


**FEATURES 特点**

- **Multilayer monolithic construction yields high reliability**  
独石结构、高可靠性
- **Excellent solderability and heat resistance for either flow or reflow soldering**良好的可焊性和耐焊性
- **Substantial EMI suppression over a wide frequency range** 在宽频段有显著的抑制噪声效果



**APPLICATIONS 应用**

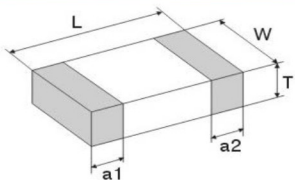
- **Noise suppression in digital equipment such as computer and its peripheral devices, DVD, camera, OA equipments, etc** 电脑及周边设备、DVD、照相机、办公设备等噪声控制

**Product Identification 产品标识**

HDB 3216 B 102 I - GP  
① ② ③ ④ ⑤ ⑥

- ① **Series name** 系列名称
- ② **Dimension** 产品尺寸 L×W: 【3216=3.2mm×1.6mm】
- 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
0603 [0201]	0.60±0.05 [0.024±0.002]	0.30±0.05 [0.012±0.002]	0.30±0.05 [0.012±0.002]	0.15±0.05 [0.02±0.002]
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]

**Electrical Characteristics 电气性能**

**HDB 0603 (0201) Series**

Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	I <sub>r</sub> (mA) /max
HDB0603B100H	10	100	0.12	500
HDB0603B800H	80	100	0.37	200
HDB0603B121H	120	100	0.45	200
HDB0603B241H	240	100	0.75	200
HDB0603B471H	470	100	1.3	100
HDB0603B601H	600	100	1.75	100

**HDB 1005 (0402) Series**

Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	I <sub>r</sub> (mA) /max
HDB1005B050H	5	100	0.05	500
HDB1005B110H	11	100	0.05	500
HDB1005B190H	19	100	0.05	300
HDB1005B310H	31	100	0.20	300
HDB1005B600H	60	100	0.30	200
HDB1005B800H	80	100	0.30	200
HDB1005B121H	120	100	0.40	150
HDB1005B181H	180	100	0.50	150
HDB1005B301H	300	100	0.65	100
HDB1005B601H	600	100	1.00	100
HDB1005B102H	1000	100	1.30	100
HDB1005B152H	1500	100	1.40	100
HDB1005B182H	1800	100	1.40	100

**HDB 1608 (0603) Series**

Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	I <sub>r</sub> (mA) /max
HDB1608B070H	7	100	0.05	1000
HDB1608B110H	11	100	0.05	1000
HDB1608B190H	19	100	0.05	1000
HDB1608B310H	31	100	0.05	500
HDB1608B600H	60	100	0.12	300
HDB1608B800H	80	100	0.16	200
HDB1608B121H	120	100	0.20	200
HDB1608B181H	180	100	0.30	200
HDB1608B221H	220	100	0.30	200
HDB1608B301H	300	100	0.35	200
HDB1608B601H	600	100	0.50	200
HDB1608B102H	1000	100	0.60	100
HDB1608B152H	1500	100	0.80	100
HDB1608B202H	2000	100	1.20	100
HDB1608B252H	2500	100	1.50	50

HDB 1608 (0603) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HDB1608B070H	7	100	0.05	1000
HDB1608B110H	11	100	0.05	1000
HDB1608B190H	19	100	0.05	1000
HDB1608B310H	31	100	0.06	800
HDB1608B600H	60	100	0.06	800
HDB1608B800H	80	100	0.20	500
HDB1608B121H	120	100	0.30	300
HDB1608B181H	180	100	0.30	300
HDB1608B301H	300	100	0.45	200
HDB1608B501H	500	100	0.45	200
HDB1608B601H	600	100	0.45	200
HDB1608B102H	1000	100	0.60	100
HDB1608B070H	7	100	0.05	500
HDB1608B110H	11	100	0.05	500
HDB1608B190H	19	100	0.10	500
HDB1608B260H	26	100	0.20	400
HDB1608B310H	31	100	0.20	400
HDB1608B360H	36	100	0.20	400
HDB1608B600H	60	100	0.30	300
HDB1608B800H	80	100	0.35	300
HDB1608B121H	120	100	0.35	300
HDB1608B151H	150	100	0.45	300
HDB1608B181H	180	100	0.45	200
HDB1608B221H	220	100	0.45	200
HDB1608B301H	300	100	0.50	200
HDB1608B501H	500	100	0.50	100
HDB1608B601H	600	100	0.60	100
HDB1608B751H	750	100	0.70	100
HDB1608B102H	1000	100	0.80	100
HDB1608B122H	1200	100	1.00	100
HDB1608B152H	1500	100	1.20	100

2012 (0805) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HDB2012B070H	7	100	0.05	2200
HDB2012B110H	11	100	0.05	2000
HDB2012B190H	19	100	0.05	2000
HDB2012B260H	26	100	0.05	1500
HDB2012B310H	31	100	0.05	1500
HDB2012B360H	36	100	0.05	1500
HDB2012B600H	60	100	0.05	1000
HDB2012B700H	70	100	0.08	1000
HDB2012B800H	80	100	0.10	1000
HDB2012B101H	100	100	0.12	1000
HDB2012B121H	120	100	0.15	800
HDB2012B151H	150	100	0.15	800
HDB2012B181H	180	100	0.20	600
HDB2012B221H	220	100	0.20	600
HDB2012B301H	300	100	0.25	500
HDB2012B501H	500	100	0.30	500
HDB2012B601H	600	100	0.35	500
HDB2012B751H	750	100	0.35	300
HDB2012B102H	1000	100	0.45	300
HDB2012B122H	1200	100	0.50	200
HDB2012B152H	1500	100	0.65	200
HDB2012B202H	2000	100	0.80	200
HDB2012B222H	2200	100	1.50	200
HDB2012B252H	2500	100	1.50	200
HDB2012B110H	11	100	0.05	2200
HDB2012B190H	19	100	0.05	2000
HDB2012B260H	26	100	0.05	2000
HDB2012B310H	31	100	0.05	1500
HDB2012B360H	36	100	0.05	1500
HDB2012B600H	60	100	0.06	1500
HDB2012B101H	100	100	0.10	1000
HDB2012B121H	120	100	0.12	1000

HDB 2012 (0805) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HDB2012B181H	180	100	0.25	800
HDB2012B221H	220	100	0.25	600
HDB2012B301H	300	100	0.25	600
HDB2012B501H	500	100	0.30	500
HDB2012B601H	600	100	0.30	300
HDB2012B751H	750	100	0.40	300
HDB2012B102H	1000	100	0.45	200
HDB2012B122H	1200	100	0.55	200
HDB2012B152H	1500	100	0.65	200
HDB2012B202H	2000	100	0.80	200
HDB2012B110H	11	100	0.05	500
HDB2012B190H	19	100	0.05	500
HDB2012B260H	26	100	0.10	500
HDB2012B310H	31	100	0.20	400
HDB2012B360H	36	100	0.20	400
HDB2012B600H	60	100	0.20	400
HDB2012B700H	70	100	0.30	300
HDB2012B800H	80	100	0.30	300
HDB2012B121H	120	100	0.35	300
HDB2012B151H	150	100	0.35	300
HDB2012B181H	180	100	0.45	200
HDB2012B221H	220	100	0.45	200
HDB2012B301H	300	100	0.45	200
HDB2012B501H	500	100	0.50	100
HDB2012B601H	600	100	0.50	100
HDB2012B751H	750	100	0.60	100
HDB2012B102H	1000	100	0.70	100
HDB2012B122H	1200	100	0.80	100
HDB2012B152H	1500	100	1.00	100
HDB2012B202H	2000	100	1.20	100

HDB 3216 (1206) Series

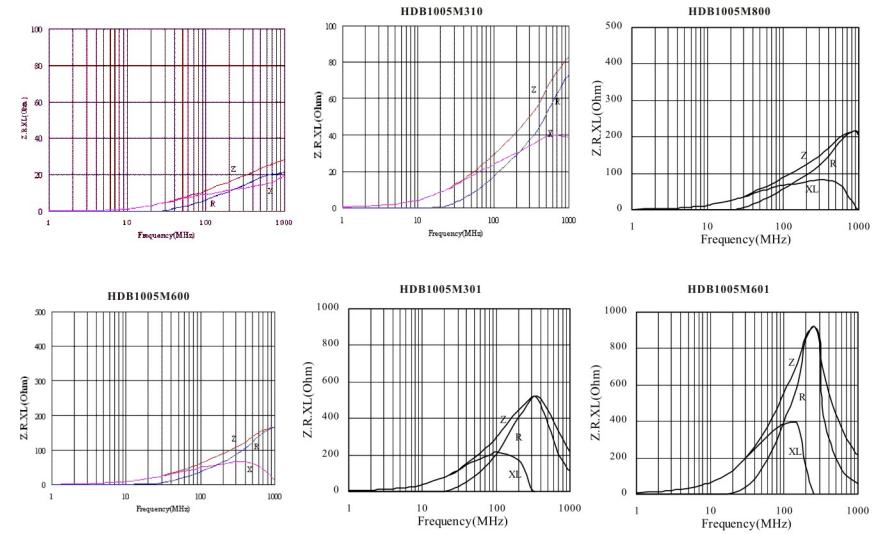
Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HDB3216B190H	19	100	0.05	2000
HDB3216B260H	26	100	0.05	2000
HDB3216B310H	31	100	0.05	2000
HDB3216B360H	36	100	0.05	2000
HDB3216B600H	60	100	0.08	1000
HDB3216B800H	80	100	0.08	1000
HDB3216B101H	100	100	0.10	1000
HDB3216B121H	120	100	0.10	600
HDB3216B151H	150	100	0.15	600
HDB3216B181H	180	100	0.15	600
HDB3216B301H	300	100	0.20	600
HDB3216B391H	390	100	0.20	600
HDB3216B501H	500	100	0.30	600
HDB3216B601H	600	100	0.30	600
HDB3216B751H	750	100	0.30	600
HDB3216B102H	1000	100	0.40	500
HDB3216B122H	1200	100	0.50	300
HDB3216B152H	1500	100	0.60	200
HDB3216B202H	2000	100	0.70	200
HDB3216B252H	2500	100	0.70	200
HDB3216B302H	3000	100	1.00	200
HDB3216B190H	19	100	0.05	2200
HDB3216B260H	26	100	0.05	2200
HDB3216B310H	31	100	0.05	2200
HDB3216B360H	36	100	0.05	2000
HDB3216B600H	60	100	0.07	2000
HDB3216B800H	80	100	0.10	1000
HDB3216B121H	120	100	0.10	1000
HDB3216B151H	150	100	0.15	600
HDB3216B181H	180	100	0.20	600
HDB3216B301H	300	100	0.20	600
HDB3216B501H	500	100	0.25	600

HDB 3216 (1206) Series

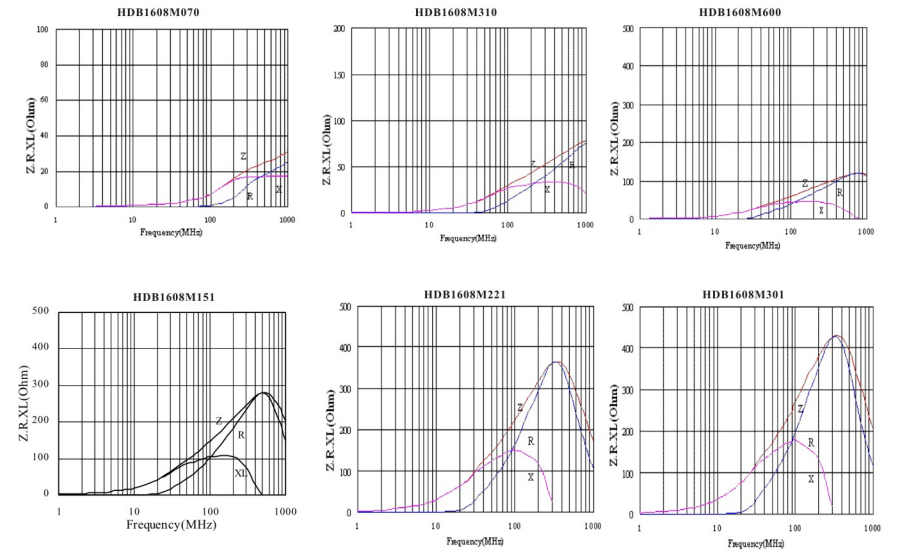
Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
HDB3216B751H	750	100	0.30	600
HDB3216B102H	1000	100	0.40	500
HDB3216B122H	1200	100	0.40	300
HDB3216B152H	1500	100	0.55	200
HDB3216B202H	2000	100	0.70	200
HDB3216B252H	2500	100	0.70	200
HDB3216B302H	3000	100	0.80	200
HDB3216B190H	19	100	0.10	500
HDB3216B260H	26	100	0.10	500
HDB3216B310H	31	100	0.10	500
HDB3216B360H	36	100	0.20	400
HDB3216B600H	60	100	0.20	400
HDB3216B700H	70	100	0.20	400
HDB3216B800H	80	100	0.30	300
HDB3216B121H	120	100	0.30	300
HDB3216B151H	150	100	0.35	300
HDB3216B181H	180	100	0.35	300
HDB3216B221H	220	100	0.45	200
HDB3216B301H	300	100	0.45	200
HDB3216B501H	500	100	0.45	200
HDB3216B601H	600	100	0.50	100
HDB3216B751H	750	100	0.50	100
HDB3216B102H	1000	100	0.60	100
HDB3216B122H	1200	100	0.70	100
HDB3216B152H	1500	100	0.80	100
HDB3216B202H	2000	100	1.00	100

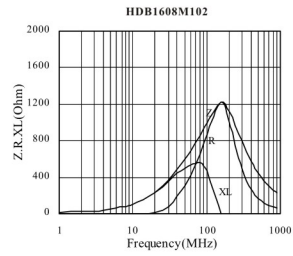
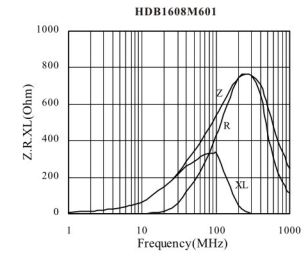
Characteristic curve 特性曲线

HDB 1005 (0402) M Series

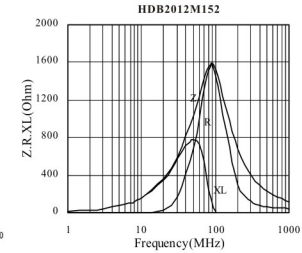
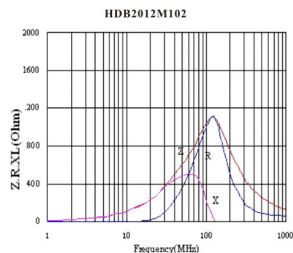
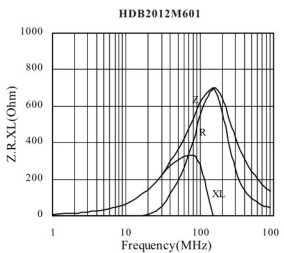
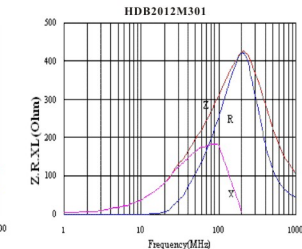
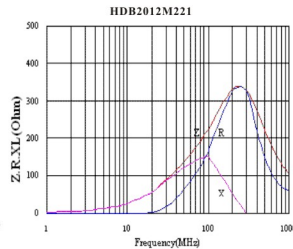
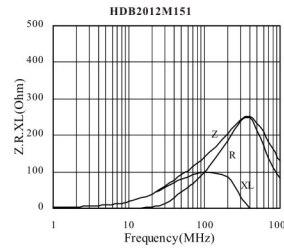
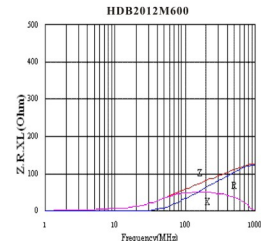
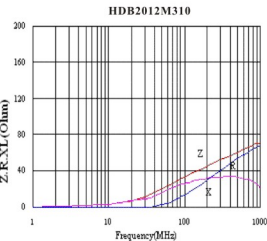
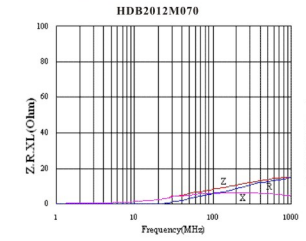


HDB1608 (0603) M Series

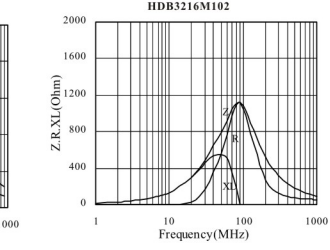
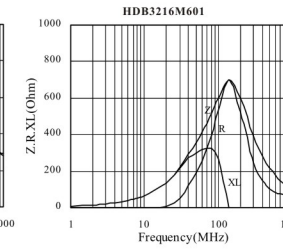
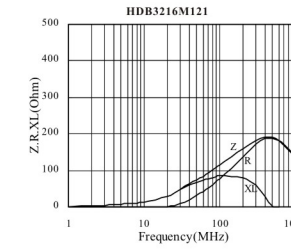
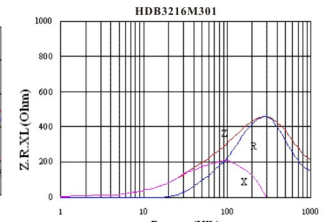
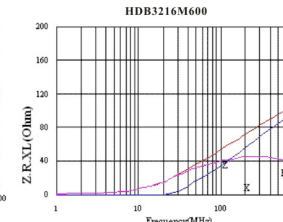
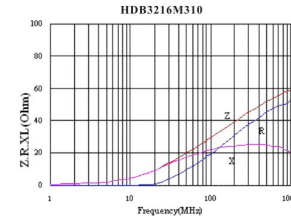




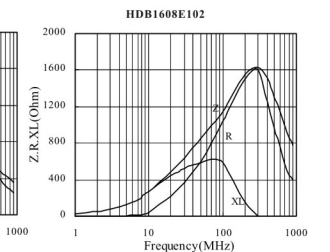
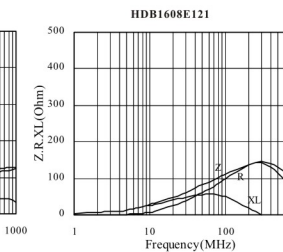
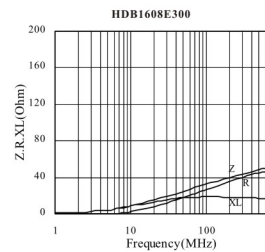
**HDB2012(0805) M Series**



**HDB3216(1206) M Series**



**HDB1608 (0603) E Series**



**HDB1608 (0603) Q Series**

