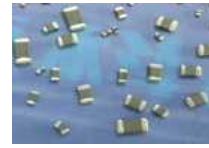


## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

### 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

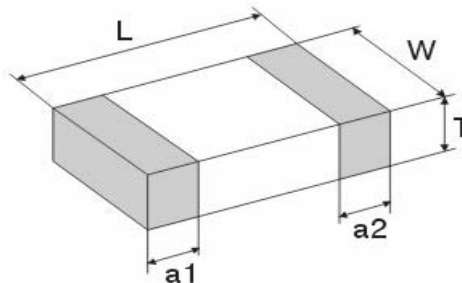
- Noise suppression in digital equipment such as computer and its peripheral devices, DVD, camera, OA equipments, etc 电脑及周边设备、DVD、照相机、办公设备等噪声控制

### Product Identification 产品标识

KWGB    3216    M    102    H    I    -    LF  
①            ②            ③            ④            ⑤            ⑥            ⑦

- 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 Characteristic 特征码
- ⑥ Packing Style: 【 T: Taping 编带盘装    B: Bulk 散装】
- 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]

## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

### Electrical Characteristics 电气性能

#### KWGB 1005 (0402) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB1005M050H	5	100	0.05	500
KWGB1005M070H	7	100	0.05	500
KWGB1005M110H	11	100	0.05	500
KWGB1005M190H	19	100	0.05	300
KWGB1005M310H	31	100	0.20	300
KWGB1005M600H	60	100	0.30	200
KWGB1005M800H	80	100	0.30	200
KWGB1005M121H	120	100	0.40	150
KWGB1005M181H	180	100	0.50	150
KWGB1005M301H	300	100	0.65	100
KWGB1005M501H	500	100	0.80	100
KWGB1005M601H	600	100	1.00	100
KWGB1005M102H	1000	100	1.30	100

#### KWGB 1608 (0603) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB1608M050H	5	100	0.05	1000
KWGB1608M070H	7	100	0.05	1000
KWGB1608M110H	11	100	0.05	1000
KWGB1608M190H	19	100	0.05	1000
KWGB1608M310H	31	100	0.05	500
KWGB1608M470H	47	100	0.08	500
KWGB1608M600H	60	100	0.12	300
KWGB1608M800H	80	100	0.16	200
KWGB1608M101H	100	100	0.20	200
KWGB1608M121H	120	100	0.20	200
KWGB1608M151H	150	100	0.30	200
KWGB1608M181H	180	100	0.30	200
KWGB1608M221H	220	100	0.30	200
KWGB1608M301H	300	100	0.35	200
KWGB1608M501H	500	100	0.45	200
KWGB1608M601H	600	100	0.50	200
KWGB1608M751H	750	100	0.55	150
KWGB1608M102H	1000	100	0.60	100
KWGB1608M152H	1500	100	0.80	100
KWGB1608M202H	2000	100	1.20	100

## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

### KWGB 1608 (0603) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB1608E070H	7	100	0.05	1000
KWGB1608E110H	11	100	0.05	1000
KWGB1608E190H	19	100	0.05	1000
KWGB1608E310H	31	100	0.06	800
KWGB1608E600H	60	100	0.06	800
KWGB1608E800H	80	100	0.20	500
KWGB1608E121H	120	100	0.30	300
KWGB1608E181H	180	100	0.30	300
KWGB1608E301H	300	100	0.45	200
KWGB1608E501H	500	100	0.45	200
KWGB1608E601H	600	100	0.45	200
KWGB1608E102H	1000	100	0.60	100
KWGB1608Q070H	7	100	0.05	500
KWGB1608Q110H	11	100	0.05	500
KWGB1608Q190H	19	100	0.10	500
KWGB1608Q260H	26	100	0.20	400
KWGB1608Q310H	31	100	0.20	400
KWGB1608Q360H	36	100	0.20	400
KWGB1608Q600H	60	100	0.30	300
KWGB1608Q700H	70	100	0.30	300
KWGB1608Q800H	80	100	0.35	300
KWGB1608Q121H	120	100	0.35	300
KWGB1608Q151H	150	100	0.45	200
KWGB1608Q181H	180	100	0.45	200
KWGB1608Q221H	220	100	0.45	200
KWGB1608Q301H	300	100	0.50	100
KWGB1608Q501H	500	100	0.50	100
KWGB1608Q601H	600	100	0.60	100
KWGB1608Q751H	750	100	0.70	100
KWGB1608Q102H	1000	100	0.80	100
KWGB1608Q122H	1200	100	1.00	100
KWGB1608Q152H	1500	100	1.20	100
KWGB1608Q202H	2000	100	1.50	100

## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

KWGB 2012 (0805) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB2012M070H	7	100	0.05	2200
KWGB2012M110H	11	100	0.05	2000
KWGB2012M190H	19	100	0.05	2000
KWGB2012M260H	26	100	0.05	1500
KWGB2012M310H	31	100	0.05	1500
KWGB2012M360H	36	100	0.05	1500
KWGB2012M600H	60	100	0.05	1000
KWGB2012M700H	70	100	0.08	1000
KWGB2012M800H	80	100	0.10	1000
KWGB2012M101H	100	100	0.12	1000
KWGB2012M121H	120	100	0.15	800
KWGB2012M151H	150	100	0.15	800
KWGB2012M181H	180	100	0.20	600
KWGB2012M221H	220	100	0.20	600
KWGB2012M301H	300	100	0.25	500
KWGB2012M501H	500	100	0.30	500
KWGB2012M601H	600	100	0.35	500
KWGB2012M751H	750	100	0.35	300
KWGB2012M102H	1000	100	0.45	300
KWGB2012M122H	1200	100	0.50	200
KWGB2012M152H	1500	100	0.65	200
KWGB2012M202H	2000	100	0.80	200
KWGB2012M222H	2200	100	1.50	200
KWGB2012M252H	2500	100	1.50	200
KWGB2012E110H	11	100	0.05	2200
KWGB2012E190H	19	100	0.05	2000
KWGB2012E260H	26	100	0.05	2000
KWGB2012E310H	31	100	0.05	1500
KWGB2012E360H	36	100	0.05	1500
KWGB2012E600H	60	100	0.06	1500
KWGB2012E101H	100	100	0.10	1000
KWGB2012E121H	120	100	0.12	1000

## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

KWGB 2012 (0805) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB2012E181H	180	100	0.25	800
KWGB2012E221H	220	100	0.25	600
KWGB2012E301H	300	100	0.25	600
KWGB2012E501H	500	100	0.30	500
KWGB2012E601H	600	100	0.30	300
KWGB2012E751H	750	100	0.40	300
KWGB2012E102H	1000	100	0.45	200
KWGB2012E122H	1200	100	0.55	200
KWGB2012E152H	1500	100	0.65	200
KWGB2012E202H	2000	100	0.80	200
KWGB2012Q110H	11	100	0.05	500
KWGB2012Q190H	19	100	0.05	500
KWGB2012Q260H	26	100	0.10	500
KWGB2012Q310H	31	100	0.20	400
KWGB2012Q360H	36	100	0.20	400
KWGB2012Q600H	60	100	0.20	400
KWGB2012Q700H	70	100	0.30	300
KWGB2012Q800H	80	100	0.30	300
KWGB2012Q121H	120	100	0.35	300
KWGB2012Q151H	150	100	0.35	300
KWGB2012Q181H	180	100	0.45	200
KWGB2012Q221H	220	100	0.45	200
KWGB2012Q301H	300	100	0.45	200
KWGB2012Q501H	500	100	0.50	100
KWGB2012Q601H	600	100	0.50	100
KWGB2012Q751H	750	100	0.60	100
KWGB2012Q102H	1000	100	0.70	100
KWGB2012Q122H	1200	100	0.80	100
KWGB2012Q152H	1500	100	1.00	100
KWGB2012Q202H	2000	100	1.20	100

## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

KWGB 3216 (1206) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB3216M190H	19	100	0.05	2000
KWGB3216M260H	26	100	0.05	2000
KWGB3216M310H	31	100	0.05	2000
KWGB3216M360H	36	100	0.05	2000
KWGB3216M600H	60	100	0.08	1000
KWGB3216M800H	80	100	0.08	1000
KWGB3216M101H	100	100	0.10	1000
KWGB3216M121H	120	100	0.10	600
KWGB3216M151H	150	100	0.15	600
KWGB3216M181H	180	100	0.15	600
KWGB3216M301H	300	100	0.20	600
KWGB3216M391H	390	100	0.20	600
KWGB3216M501H	500	100	0.30	600
KWGB3216M601H	600	100	0.30	600
KWGB3216M751H	750	100	0.30	600
KWGB3216M102H	1000	100	0.40	500
KWGB3216M122H	1200	100	0.50	300
KWGB3216M152H	1500	100	0.60	200
KWGB3216M202H	2000	100	0.70	200
KWGB3216M252H	2500	100	0.70	200
KWGB3216M302H	3000	100	1.00	200
KWGB3216E190H	19	100	0.05	2200
KWGB3216E260H	26	100	0.05	2200
KWGB3216E310H	31	100	0.05	2200
KWGB3216E360H	36	100	0.05	2000
KWGB3216E600H	60	100	0.07	2000
KWGB3216E800H	80	100	0.10	1000
KWGB3216E121H	120	100	0.10	1000
KWGB3216E151H	150	100	0.15	600
KWGB3216E181H	180	100	0.20	600
KWGB3216E301H	300	100	0.20	600
KWGB3216E501H	500	100	0.25	600

## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

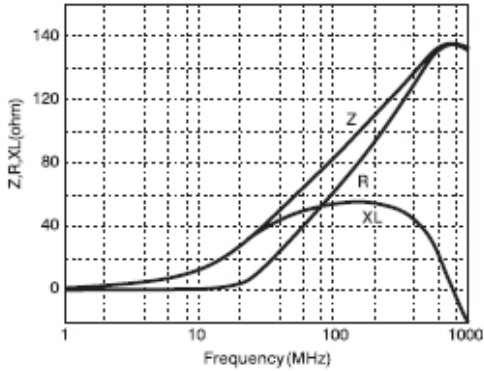
KWGB 3216 (1206) Series

Part No.	Impedance ( $\Omega$ ) $\pm 25\%$	Z Test Freq. (MHz)	RDC( $\Omega$ ) /max	I <sub>r</sub> (mA) /max
KWGB3216E751H	750	100	0.30	600
KWGB3216E102H	1000	100	0.40	500
KWGB3216E122H	1200	100	0.40	300
KWGB3216E152H	1500	100	0.55	200
KWGB3216E202H	2000	100	0.70	200
KWGB3216E252H	2500	100	0.70	200
KWGB3216E302H	3000	100	0.80	200
KWGB3216Q190H	19	100	0.10	500
KWGB3216Q260H	26	100	0.10	500
KWGB3216Q310H	31	100	0.10	500
KWGB3216Q360H	36	100	0.20	400
KWGB3216Q600H	60	100	0.20	400
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KWGB3216Q800H	80	100	0.30	300
KWGB3216Q121H	120	100	0.30	300
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KWGB3216Q181H	180	100	0.35	300
KWGB3216Q221H	220	100	0.45	200
KWGB3216Q301H	300	100	0.45	200
KWGB3216Q501H	500	100	0.45	200
KWGB3216Q601H	600	100	0.50	100
KWGB3216Q751H	750	100	0.50	100
KWGB3216Q102H	1000	100	0.60	100
KWGB3216Q122H	1200	100	0.70	100
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KWGB3216Q202H	2000	100	1.00	100

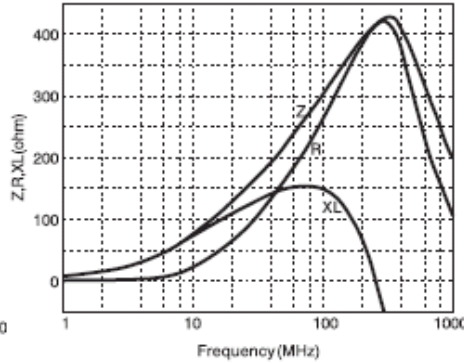
## Multilayer Chip Ferrite Bead 叠层片式通用磁珠

### Characteristic curve 特性曲线

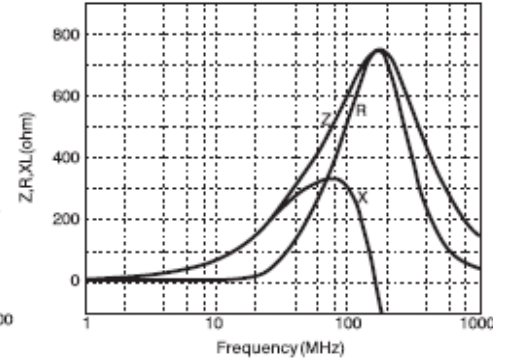
**KWGB1005M800H**



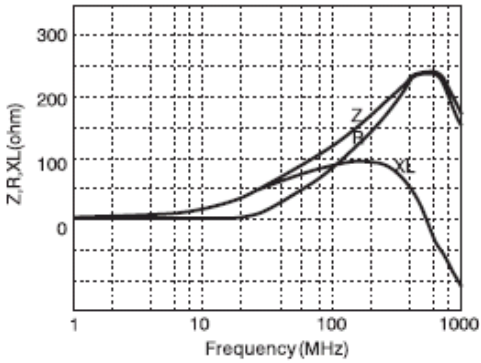
**KWGB 1005 (0402) Series**  
**KWGB1005M301H**



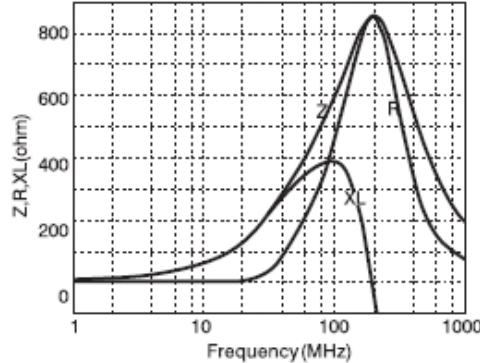
**KWGB1005M601H**



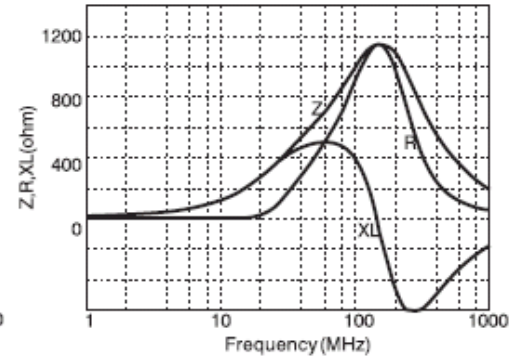
**KWGB1608M121H**



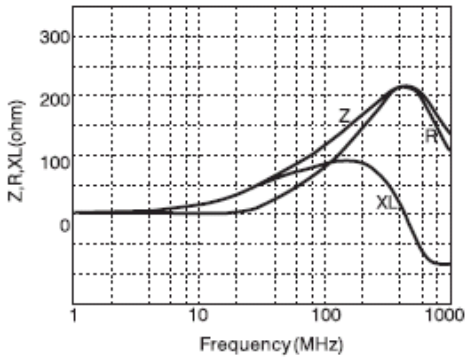
**KWGB1608 (0603) Series**  
**KWGB1608M601H**



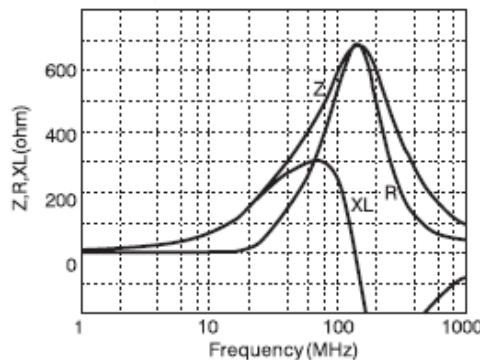
**KWGB1608M102H**



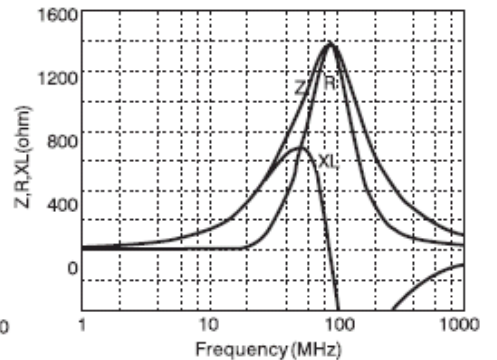
**KWGB2012M121H**



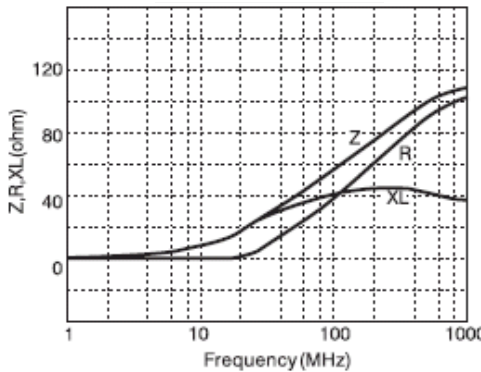
**KWGB 2012 (0805) Series**  
**KWGB2012M601H**



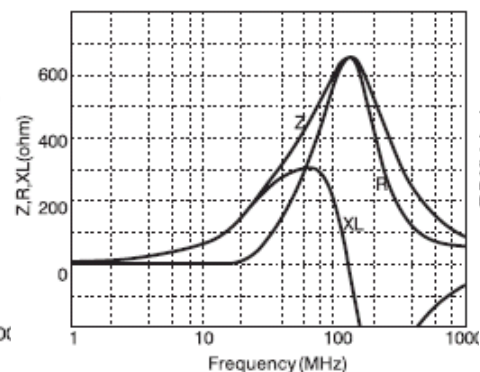
**KWGB2012M6152H**



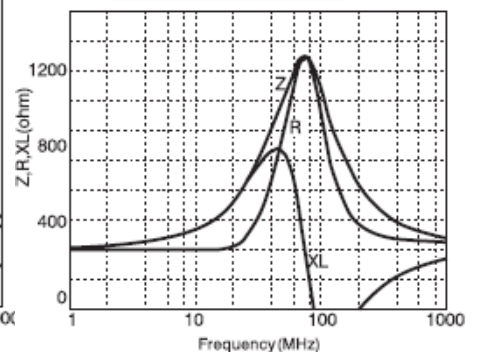
**KWGB3216M600H**



**KWGB 3216 (1206) Series**  
**KWGB3216M601H**



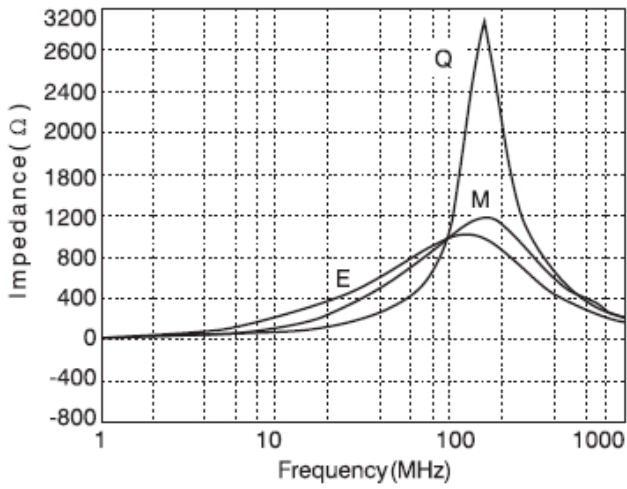
**KWGB3216M102H**



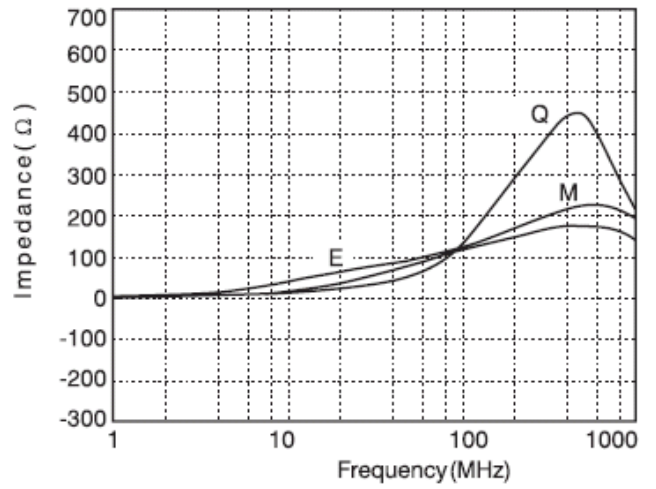
# Multilayer Chip Ferrite Bead 叠层片式通用磁珠

KWGB Series

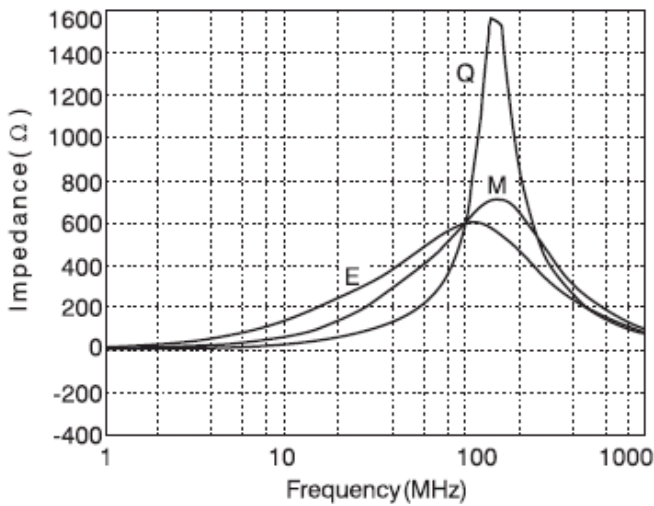
KWGB 1608-1000 Ω 不同系列阻抗曲线图比较



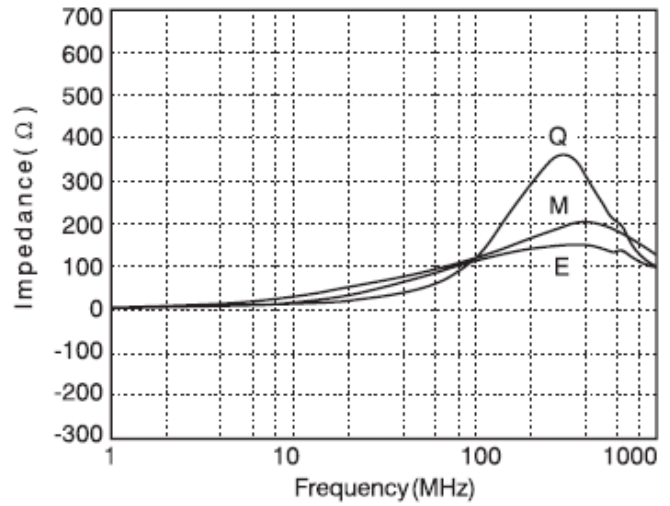
KWGB 1608-120 Ω 不同系列阻抗曲线图比较



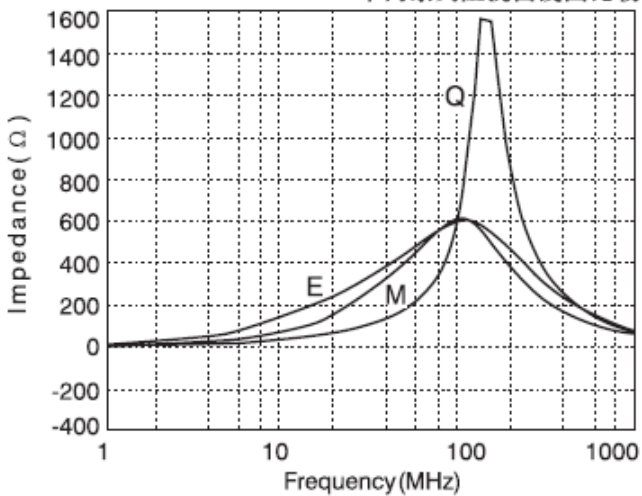
KWGB 2012-600 Ω 不同系列阻抗曲线图比较



KWGB 2012-120 Ω 不同系列阻抗曲线图比较



KWGB 3216-600 Ω 不同系列阻抗曲线图比较



KWGB 3216-80 Ω 不同系列阻抗曲线图比较

