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

MGGB	3216	M	102	H	T	-	LF
①	②	③	④	⑤	⑥		⑦

① MOTTO 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

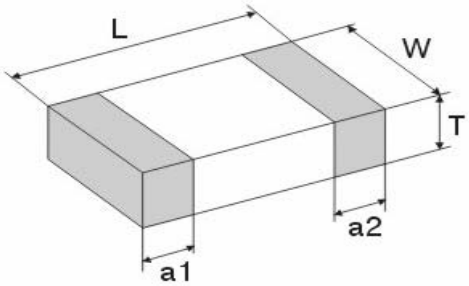
④ Impedance 阻抗值:【100=10Ω 101=100Ω 102=1000Ω】

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]

10 Floor, E Building, Jinbolong Industrial Park, Qingquan Road, Longhua Town, Baoan District, Shenzhen
TEL:0755-33693505 33693506 33693526 FAX:0755-61624574 http://www.mottotech.com E.mail: sales@mottotech.com

Electrical Characteristics 电气性能

MGGB 1005 (0402) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB1005M050H	5	100	0.05	500
MGGB1005M070H	7	100	0.05	500
MGGB1005M110H	11	100	0.05	500
MGGB1005M190H	19	100	0.05	300
MGGB1005M310H	31	100	0.20	300
MGGB1005M600H	60	100	0.30	200
MGGB1005M800H	80	100	0.30	200
MGGB1005M121H	120	100	0.40	150
MGGB1005M181H	180	100	0.50	150
MGGB1005M301H	300	100	0.65	100
MGGB1005M501H	500	100	0.80	100
MGGB1005M601H	600	100	1.00	100
MGGB1005M102H	1000	100	1.30	100

MGGB 1608 (0603) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB1608M050H	5	100	0.05	1000
MGGB1608M070H	7	100	0.05	1000
MGGB1608M110H	11	100	0.05	1000
MGGB1608M190H	19	100	0.05	1000
MGGB1608M310H	31	100	0.05	500
MGGB1608M470H	47	100	0.08	500
MGGB1608M600H	60	100	0.12	300
MGGB1608M800H	80	100	0.16	200
MGGB1608M101H	100	100	0.20	200
MGGB1608M121H	120	100	0.20	200
MGGB1608M151H	150	100	0.30	200
MGGB1608M181H	180	100	0.30	200
MGGB1608M221H	220	100	0.30	200
MGGB1608M301H	300	100	0.35	200
MGGB1608M501H	500	100	0.45	200
MGGB1608M601H	600	100	0.50	200
MGGB1608M751H	750	100	0.55	150
MGGB1608M102H	1000	100	0.60	100
MGGB1608M152H	1500	100	0.80	100
MGGB1608M202H	2000	100	1.20	100

MGGB 1608 (0603) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB1608E070H	7	100	0.05	1000
MGGB1608E110H	11	100	0.05	1000
MGGB1608E190H	19	100	0.05	1000
MGGB1608E310H	31	100	0.06	800
MGGB1608E600H	60	100	0.06	800
MGGB1608E800H	80	100	0.20	500
MGGB1608E121H	120	100	0.30	300
MGGB1608E181H	180	100	0.30	300
MGGB1608E301H	300	100	0.45	200
MGGB1608E501H	500	100	0.45	200
MGGB1608E601H	600	100	0.45	200
MGGB1608E102H	1000	100	0.60	100
MGGB1608Q070H	7	100	0.05	500
MGGB1608Q110H	11	100	0.05	500
MGGB1608Q190H	19	100	0.10	500
MGGB1608Q260H	26	100	0.20	400
MGGB1608Q310H	31	100	0.20	400
MGGB1608Q360H	36	100	0.20	400
MGGB1608Q600H	60	100	0.30	300
MGGB1608Q700H	70	100	0.30	300
MGGB1608Q800H	80	100	0.35	300
MGGB1608Q121H	120	100	0.35	300
MGGB1608Q151H	150	100	0.45	200
MGGB1608Q181H	180	100	0.45	200
MGGB1608Q221H	220	100	0.45	200
MGGB1608Q301H	300	100	0.50	100
MGGB1608Q501H	500	100	0.50	100
MGGB1608Q601H	600	100	0.60	100
MGGB1608Q751H	750	100	0.70	100
MGGB1608Q102H	1000	100	0.80	100
MGGB1608Q122H	1200	100	1.00	100
MGGB1608Q152H	1500	100	1.20	100
MGGB1608Q202H	2000	100	1.50	100

MGGB 2012 (0805) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB2012M070H	7	100	0.05	2200
MGGB2012M110H	11	100	0.05	2000
MGGB2012M190H	19	100	0.05	2000
MGGB2012M260H	26	100	0.05	1500
MGGB2012M310H	31	100	0.05	1500
MGGB2012M360H	36	100	0.05	1500
MGGB2012M600H	60	100	0.05	1000
MGGB2012M700H	70	100	0.08	1000
MGGB2012M800H	80	100	0.10	1000
MGGB2012M101H	100	100	0.12	1000
MGGB2012M121H	120	100	0.15	800
MGGB2012M151H	150	100	0.15	800
MGGB2012M181H	180	100	0.20	600
MGGB2012M221H	220	100	0.20	600
MGGB2012M301H	300	100	0.25	500
MGGB2012M501H	500	100	0.30	500
MGGB2012M601H	600	100	0.35	500
MGGB2012M751H	750	100	0.35	300
MGGB2012M102H	1000	100	0.45	300
MGGB2012M122H	1200	100	0.50	200
MGGB2012M152H	1500	100	0.65	200
MGGB2012M202H	2000	100	0.80	200
MGGB2012M222H	2200	100	1.50	200
MGGB2012M252H	2500	100	1.50	200
MGGB2012E110H	11	100	0.05	2200
MGGB2012E190H	19	100	0.05	2000
MGGB2012E260H	26	100	0.05	2000
MGGB2012E310H	31	100	0.05	1500
MGGB2012E360H	36	100	0.05	1500
MGGB2012E600H	60	100	0.06	1500
MGGB2012E101H	100	100	0.10	1000
MGGB2012E121H	120	100	0.12	1000

10 Floor, E Building, Jinbolong Industrial Park, Qingquan Road, Longhua Town, Baoan District, Shenzhen
TEL:0755-33693505 33693506 33693526 FAX:0755-61624574 http://www.mottotech.com E.mail: sales@mottotech.com

MGGB 2012 (0805) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB2012E181H	180	100	0.25	800
MGGB2012E221H	220	100	0.25	600
MGGB2012E301H	300	100	0.25	600
MGGB2012E501H	500	100	0.30	500
MGGB2012E601H	600	100	0.30	300
MGGB2012E751H	750	100	0.40	300
MGGB2012E102H	1000	100	0.45	200
MGGB2012E122H	1200	100	0.55	200
MGGB2012E152H	1500	100	0.65	200
MGGB2012E202H	2000	100	0.80	200
MGGB2012Q110H	11	100	0.05	500
MGGB2012Q190H	19	100	0.05	500
MGGB2012Q260H	26	100	0.10	500
MGGB2012Q310H	31	100	0.20	400
MGGB2012Q360H	36	100	0.20	400
MGGB2012Q600H	60	100	0.20	400
MGGB2012Q700H	70	100	0.30	300
MGGB2012Q800H	80	100	0.30	300
MGGB2012Q121H	120	100	0.35	300
MGGB2012Q151H	150	100	0.35	300
MGGB2012Q181H	180	100	0.45	200
MGGB2012Q221H	220	100	0.45	200
MGGB2012Q301H	300	100	0.45	200
MGGB2012Q501H	500	100	0.50	100
MGGB2012Q601H	600	100	0.50	100
MGGB2012Q751H	750	100	0.60	100
MGGB2012Q102H	1000	100	0.70	100
MGGB2012Q122H	1200	100	0.80	100
MGGB2012Q152H	1500	100	1.00	100
MGGB2012Q202H	2000	100	1.20	100

MGGB 3216 (1206) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB3216M190H	19	100	0.05	2000
MGGB3216M260H	26	100	0.05	2000
MGGB3216M310H	31	100	0.05	2000
MGGB3216M360H	36	100	0.05	2000
MGGB3216M600H	60	100	0.08	1000
MGGB3216M800H	80	100	0.08	1000
MGGB3216M101H	100	100	0.10	1000
MGGB3216M121H	120	100	0.10	600
MGGB3216M151H	150	100	0.15	600
MGGB3216M181H	180	100	0.15	600
MGGB3216M301H	300	100	0.20	600
MGGB3216M391H	390	100	0.20	600
MGGB3216M501H	500	100	0.30	600
MGGB3216M601H	600	100	0.30	600
MGGB3216M751H	750	100	0.30	600
MGGB3216M102H	1000	100	0.40	500
MGGB3216M122H	1200	100	0.50	300
MGGB3216M152H	1500	100	0.60	200
MGGB3216M202H	2000	100	0.70	200
MGGB3216M252H	2500	100	0.70	200
MGGB3216M302H	3000	100	1.00	200
MGGB3216E190H	19	100	0.05	2200
MGGB3216E260H	26	100	0.05	2200
MGGB3216E310H	31	100	0.05	2200
MGGB3216E360H	36	100	0.05	2000
MGGB3216E600H	60	100	0.07	2000
MGGB3216E800H	80	100	0.10	1000
MGGB3216E121H	120	100	0.10	1000
MGGB3216E151H	150	100	0.15	600
MGGB3216E181H	180	100	0.20	600
MGGB3216E301H	300	100	0.20	600
MGGB3216E501H	500	100	0.25	600

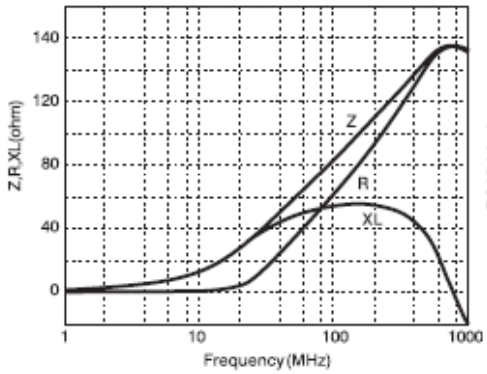
MGGB 3216 (1206) Series

MOTTO Part No.	Impedance (Ω) ±25%	Z Test Freq. (MHz)	RDC(Ω) /max	Ir(mA) /max
MGGB3216E751H	750	100	0.30	600
MGGB3216E102H	1000	100	0.40	500
MGGB3216E122H	1200	100	0.40	300
MGGB3216E152H	1500	100	0.55	200
MGGB3216E202H	2000	100	0.70	200
MGGB3216E252H	2500	100	0.70	200
MGGB3216E302H	3000	100	0.80	200
MGGB3216Q190H	19	100	0.10	500
MGGB3216Q260H	26	100	0.10	500
MGGB3216Q310H	31	100	0.10	500
MGGB3216Q360H	36	100	0.20	400
MGGB3216Q600H	60	100	0.20	400
MGGB3216Q700H	70	100	0.20	400
MGGB3216Q800H	80	100	0.30	300
MGGB3216Q121H	120	100	0.30	300
MGGB3216Q151H	150	100	0.35	300
MGGB3216Q181H	180	100	0.35	300
MGGB3216Q221H	220	100	0.45	200
MGGB3216Q301H	300	100	0.45	200
MGGB3216Q501H	500	100	0.45	200
MGGB3216Q601H	600	100	0.50	100
MGGB3216Q751H	750	100	0.50	100
MGGB3216Q102H	1000	100	0.60	100
MGGB3216Q122H	1200	100	0.70	100
MGGB3216Q152H	1500	100	0.80	100
MGGB3216Q202H	2000	100	1.00	100

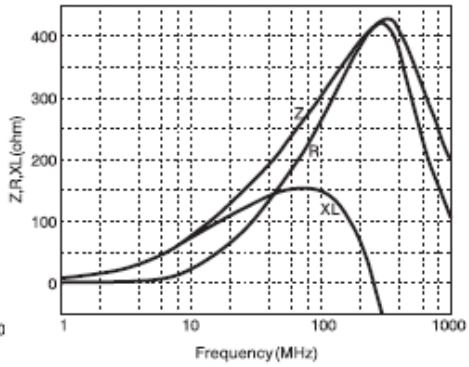
Characteristic curve 特性曲线

MGGB 1005 (0402) Series

MGGB1005M800H



MGGB1005M301H



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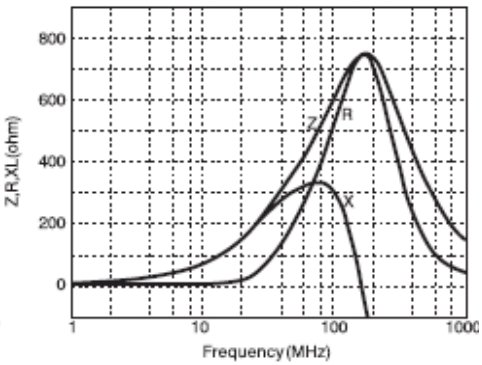
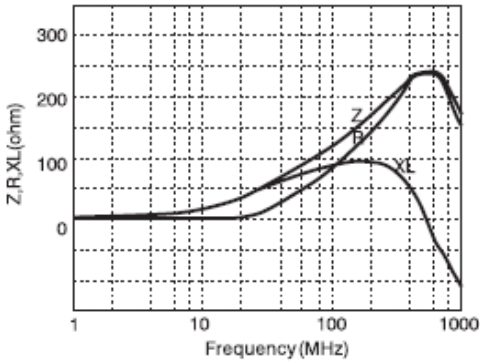
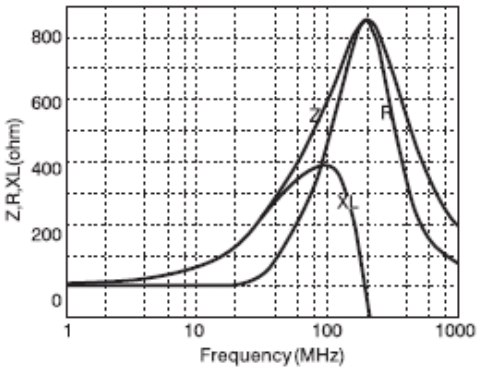


MGGB1608 (0603) Series

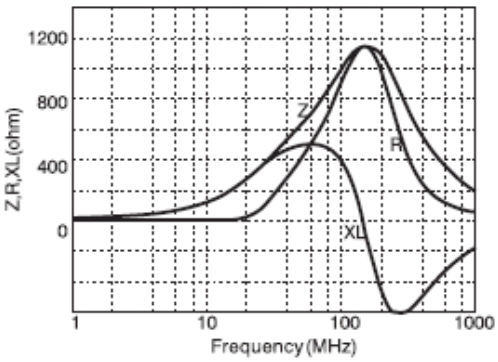
MGGB1608M121H



MGGB1608M601H

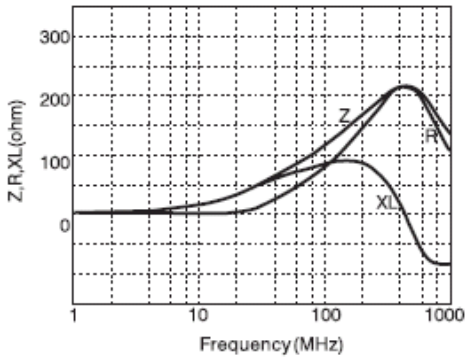


MGGB1608M102H

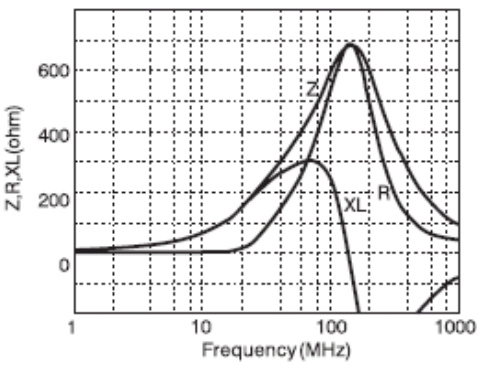


MGGB 2012 (0805) Series

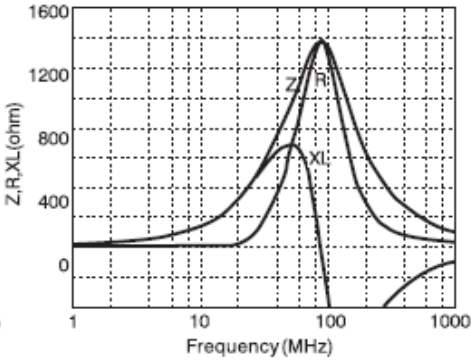
MGGB2012M121H



MGGB2012M601H

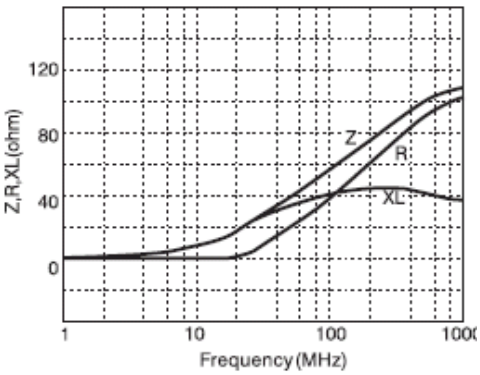


MGGB2012M152H



MGGB 3216 (1206) Series

MGGB3216M600H



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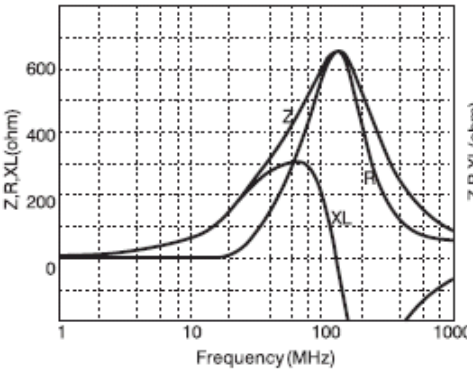
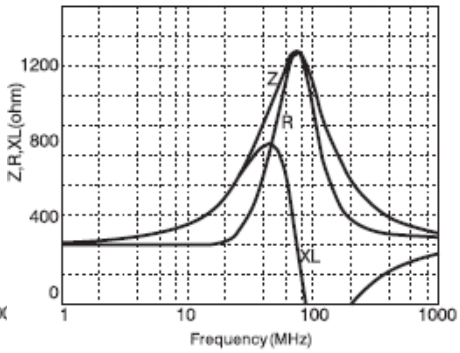
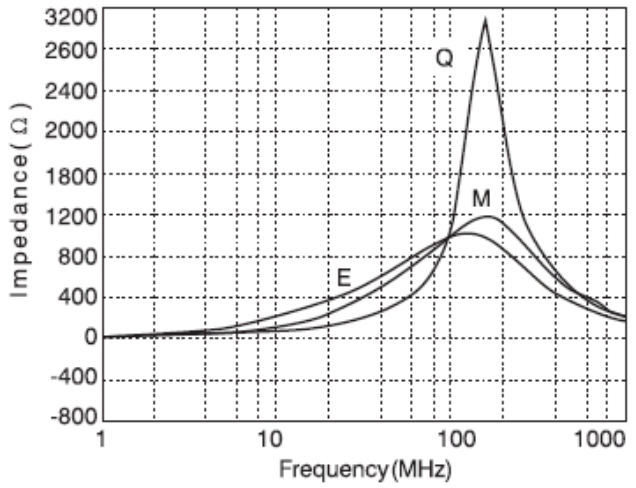


MGGB3216M102H

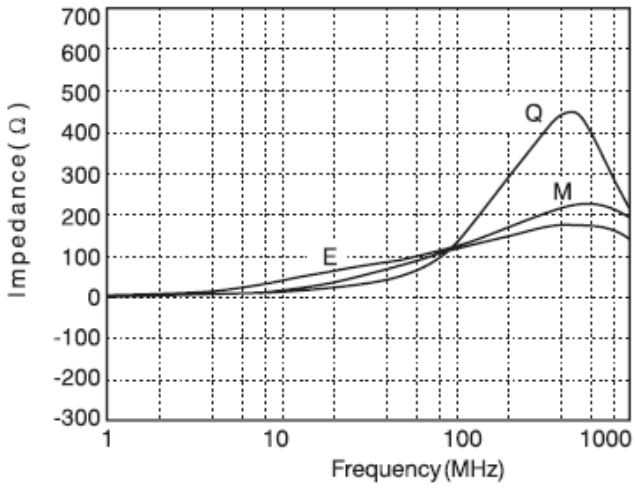


MGGB Series

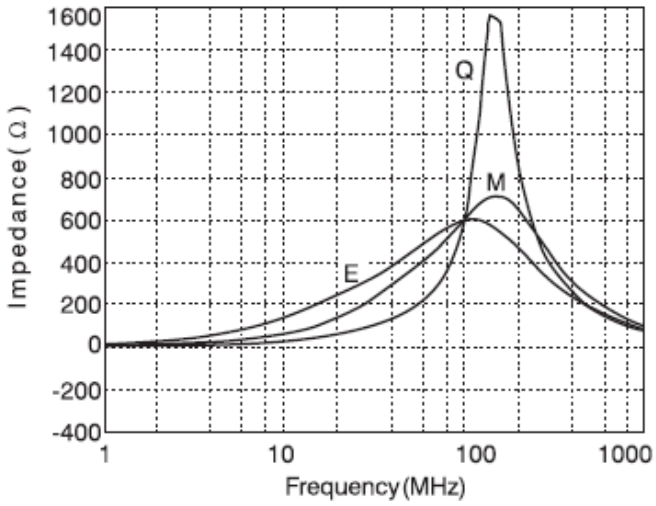
MGGB1608-1000Ω 不同系列阻抗曲线图比较



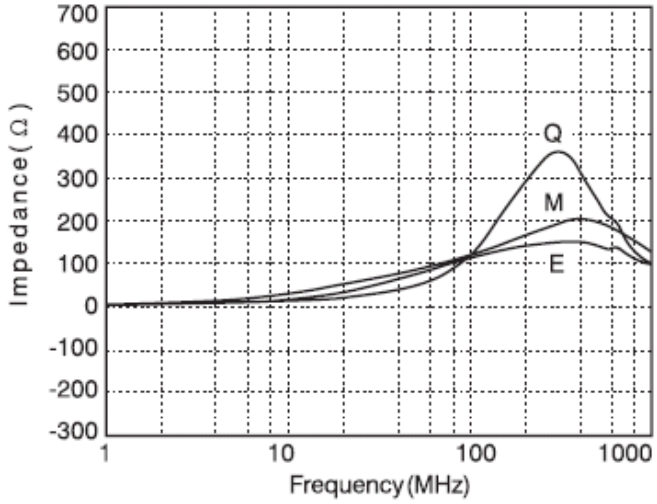
MGGB1608-120Ω 不同系列阻抗曲线图比较



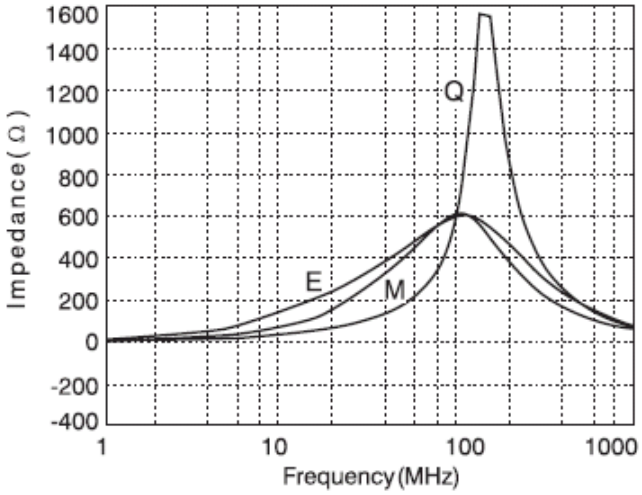
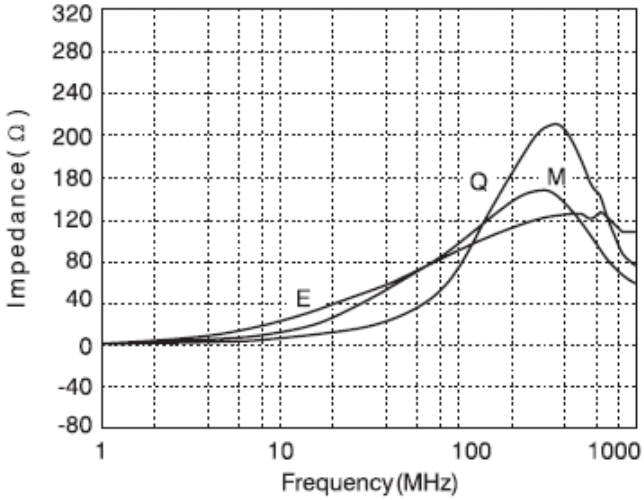
MGGB2012-600Ω 不同系列阻抗曲线图比较



MGGB2012-120Ω 不同系列阻抗曲线图比较



MGGB3216-600Ω 不同系列阻抗曲线图比较



MGGB3216-80Ω 不同系列阻抗曲线图比较