

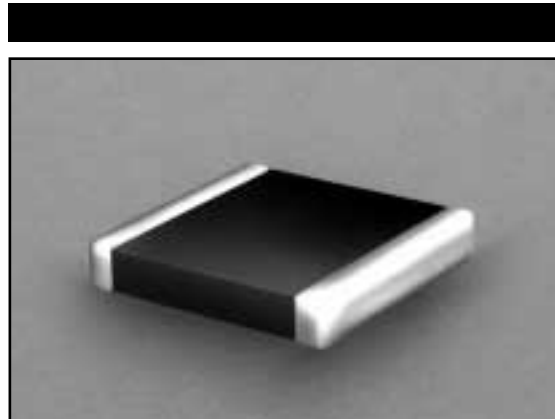
MODEL BMB SERIES

Surface Mount

Multi-Layer

Chip Beads

Sizes: 0603 to 1812



OUTSTANDING FEATURES

- Monolithic structures for high reliability
- Choice of various sizes and materials for a wide range of application
- Designed to offer high impedance for volume
- Compatible with vapor phase and infrared reflow soldering
- Wide frequency range — 1 MHz to 500 MHz

APPLICATIONS

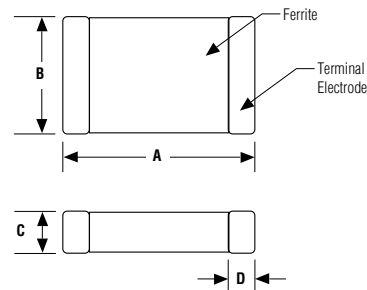
- Instrumentation
- Mobile communication equipment
- Notebook computers
- Video and audio equipment
- Video games
- Medical equipment

ENVIRONMENTAL

- Operating temperature -25°C to $+85^{\circ}\text{C}$
- Storage temperature -40°C to $+85^{\circ}\text{C}$
- Resistance to solder heat 260°C for 10 sec.

Specifications subject to change without notice.

OUTLINE DIMENSIONS (Inch/mm)

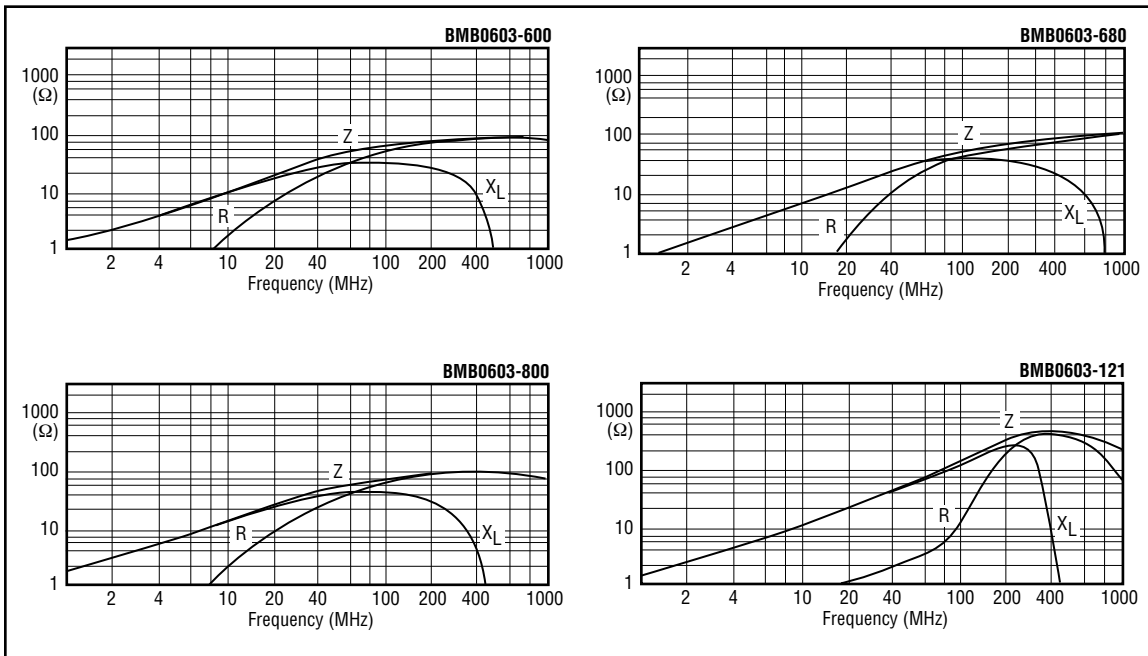


Model	Inch/mm			
	A Dim.	B Dim.	C Dim.	D Dim.
BMB 0603 (1608)	.063±.006 1.6±0.15	.031±.006 0.8±0.15	.031±.006 0.8±0.15	0.012±.006 0.3±0.15
BMB 0805 (2012)	.079±.008 2±0.2	.049±.008 1.25±0.2	.035±.008 0.9±0.2	0.020±.008 0.5±0.2
BMB 1206 (3216)	.126±.008 3.2±0.2	.063±.008 1.6±0.2	.043±.008 1.1±0.2	0.020±.008 0.5±0.2
BMB 1210 (3225)	.126±.008 3.2±0.2	.098±.008 2.5±0.2	.051±.008 1.3±0.2	.012±.003 0.3±0.2
BMB 1806 (4516)	.18±.008 4.5±0.2	.063±.008 1.6±0.2	.063±.008 1.6±0.2	.012±.003 0.3±0.2
BMB 1812 (4532)	.18±.008 4.5±0.2	.126±.008 3.2±0.2	.051±.008 1.3±0.2	.012±.003 0.3±0.2

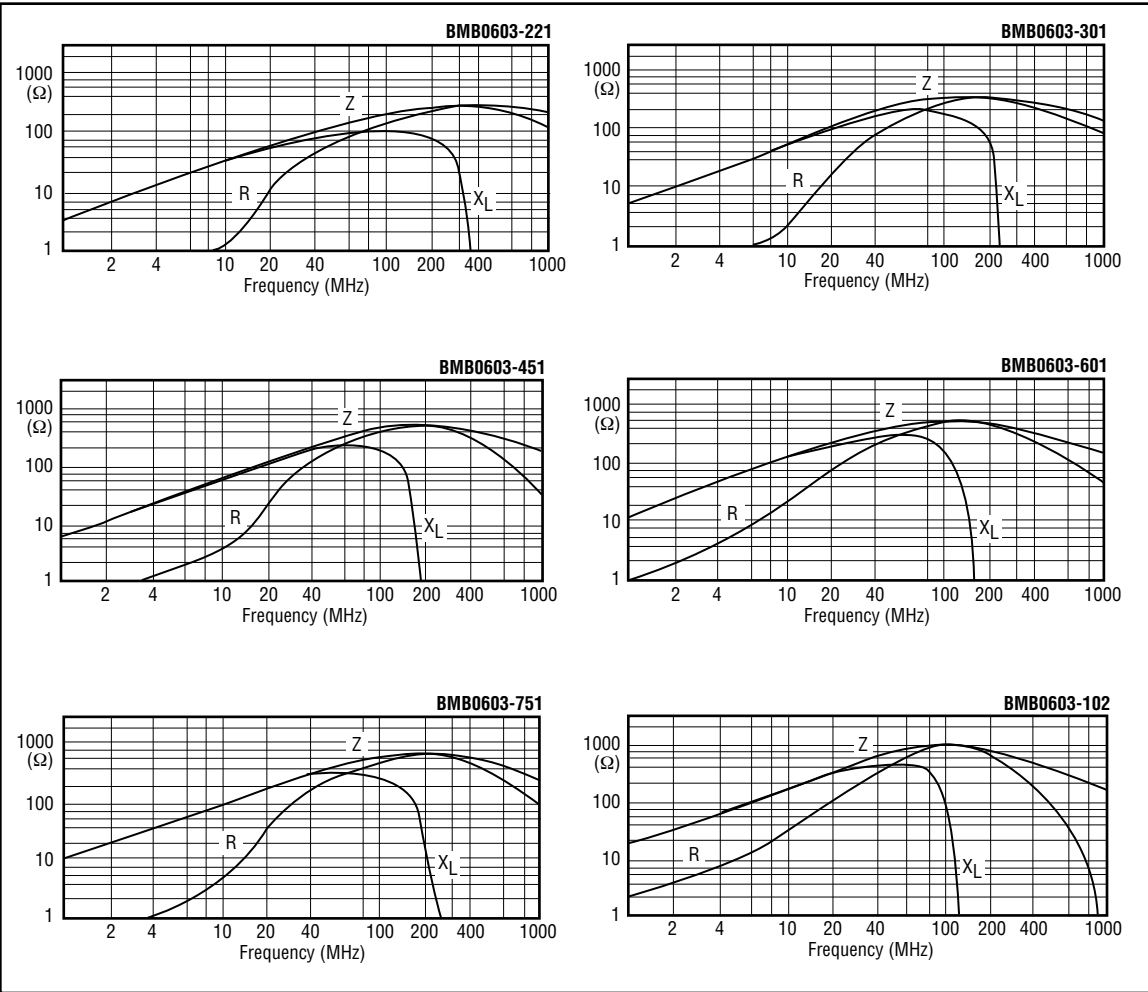
0603 SERIES ELECTRICAL CHARACTERISTICS

Part Number	Impedance $Z (\Omega) \pm 25\%$ @ 100 MHz	Resistance Rdc. Max. (Ω)	Rating Current Max. (mA)
BMB0603-300	30	0.09	400
BMB0603-400	40	0.10	400
BMB0603-600	60	0.10	400
BMB0603-680	68	0.10	200
BMB0603-800	80	0.15	200
BMB0603-121	120	0.20	150
BMB0603-221	220	0.30	150
BMB0603-301	300	0.45	150
BMB0603-451	450	0.50	100
BMB0603-601	600	0.50	100
BMB0603-751	750	0.60	100
BMB0603-102	1000	0.70	50

0603 SERIES IMPEDANCE VS. FREQUENCY CURVES



0603 SERIES IMPEDANCE VS. FREQUENCY CURVES (CONT'D)

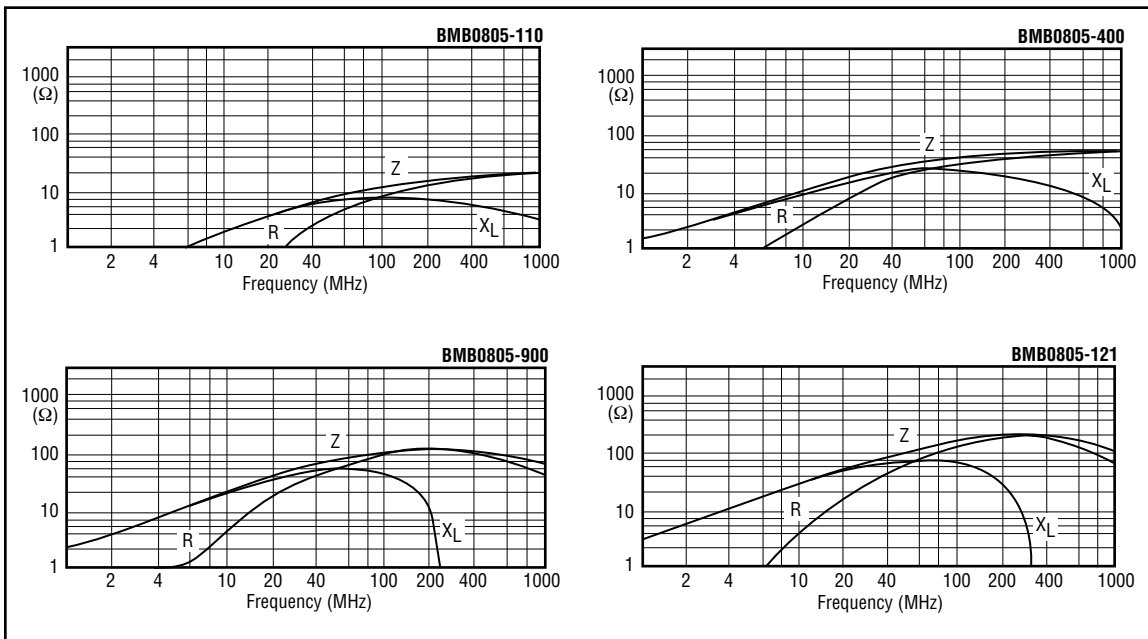


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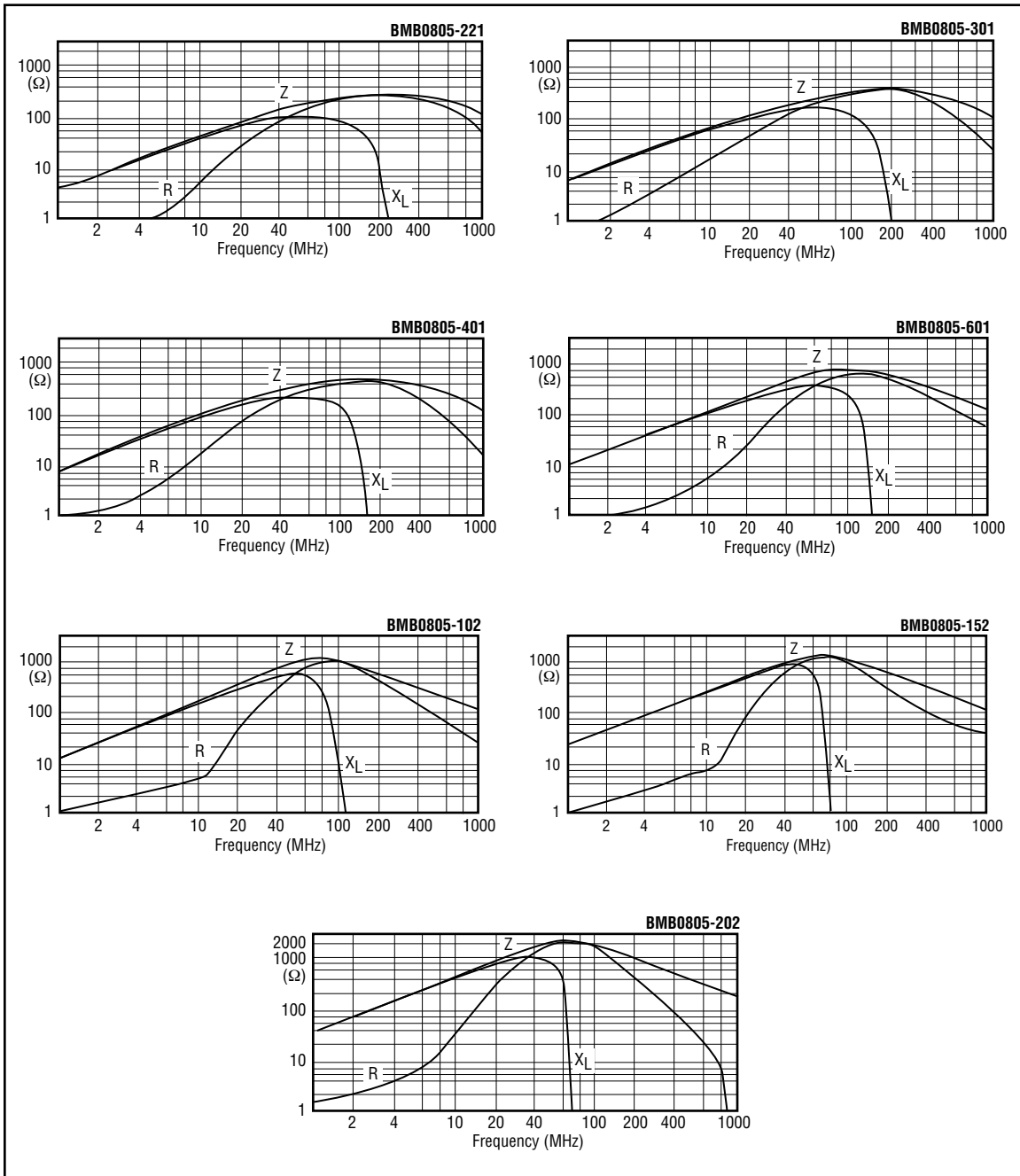
0805 SERIES ELECTRICAL CHARACTERISTICS

Part Number	Impedance $Z (\Omega) \pm 25\%$ @ 100 MHz	Resistance Rdc. Max. (Ω)	Rating Current Max. (mA)
BMB0805-070	7	0.07	600
BMB0805-100	10	0.08	600
BMB0805-110	11	0.08	600
BMB0805-170	17	0.08	500
BMB0805-320	32	0.10	500
BMB0805-400	40	0.10	500
BMB0805-600	60	0.15	400
BMB0805-800	80	0.15	400
BMB0805-900	90	0.20	300
BMB0805-121	120	0.20	300
BMB0805-151	150	0.25	300
BMB0805-221	220	0.25	200
BMB0805-301	300	0.30	200
BMB0805-401	400	0.30	200
BMB0805-601	600	0.40	200
BMB0805-102	1000	0.45	100
BMB0805-152	1500	0.50	100
BMB0805-202	2000	0.60	80

0805 SERIES IMPEDANCE VS. FREQUENCY CURVES



0805 SERIES IMPEDANCE VS. FREQUENCY CURVES (CONT'D)

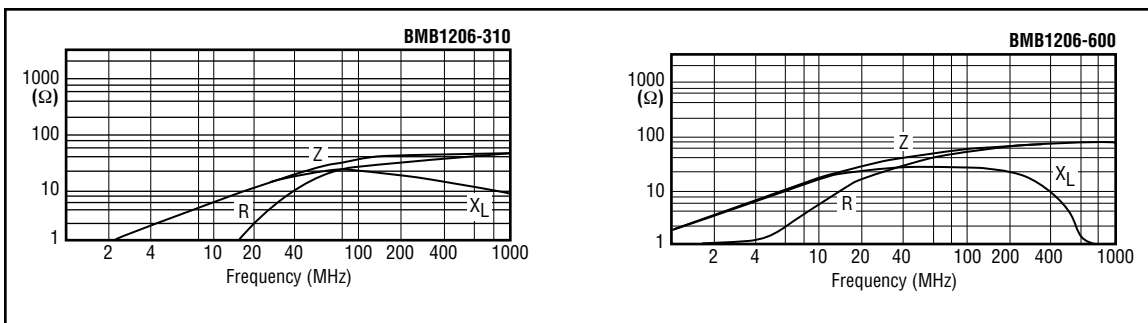


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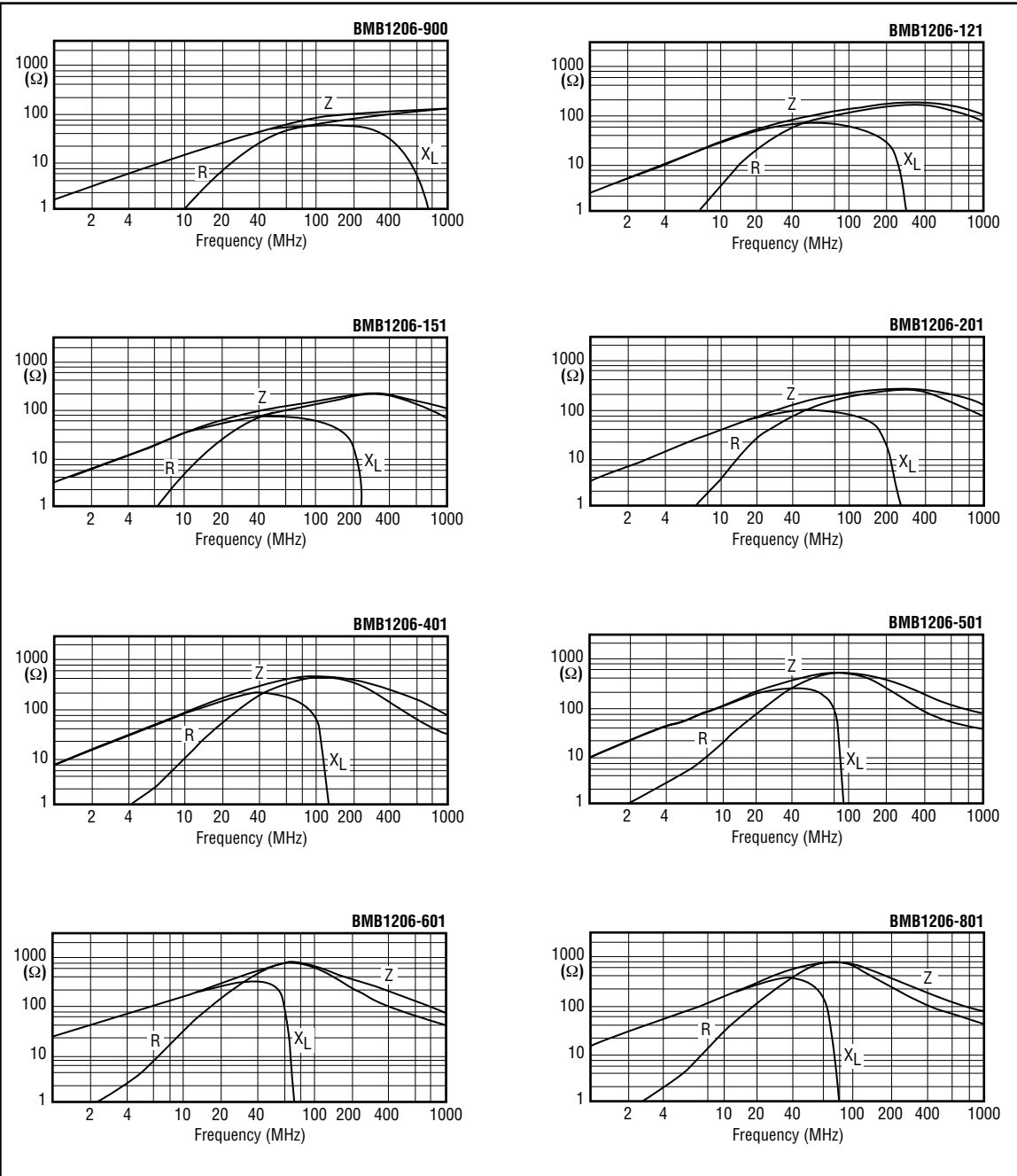
1206 SERIES ELECTRICAL CHARACTERISTICS

Part Number	Impedance $Z (\Omega) \pm 25\%$ @ 100 MHz	Resistance Rdc. Max. (Ω)	Rating Current Max. (mA)
BMB1206-190	19	0.05	500
BMB1206-260	26	0.08	500
BMB1206-310	31	0.10	500
BMB1206-320	32	0.10	500
BMB1206-500	50	0.10	400
BMB1206-600	60	0.10	400
BMB1206-700	70	0.15	400
BMB1206-900	90	0.15	400
BMB1206-121	120	0.15	400
BMB1206-151	150	0.15	200
BMB1206-201	200	0.20	200
BMB1206-401	400	0.20	200
BMB1206-501	500	0.25	200
BMB1206-601	600	0.30	100
BMB1206-801	800	0.30	100
BMB1206-102	1000	0.40	100
BMB1206-122	1200	0.40	100
BMB1206-152	1500	0.50	100
BMB1206-202	2000	0.50	100

1206 SERIES IMPEDANCE VS. FREQUENCY CURVES

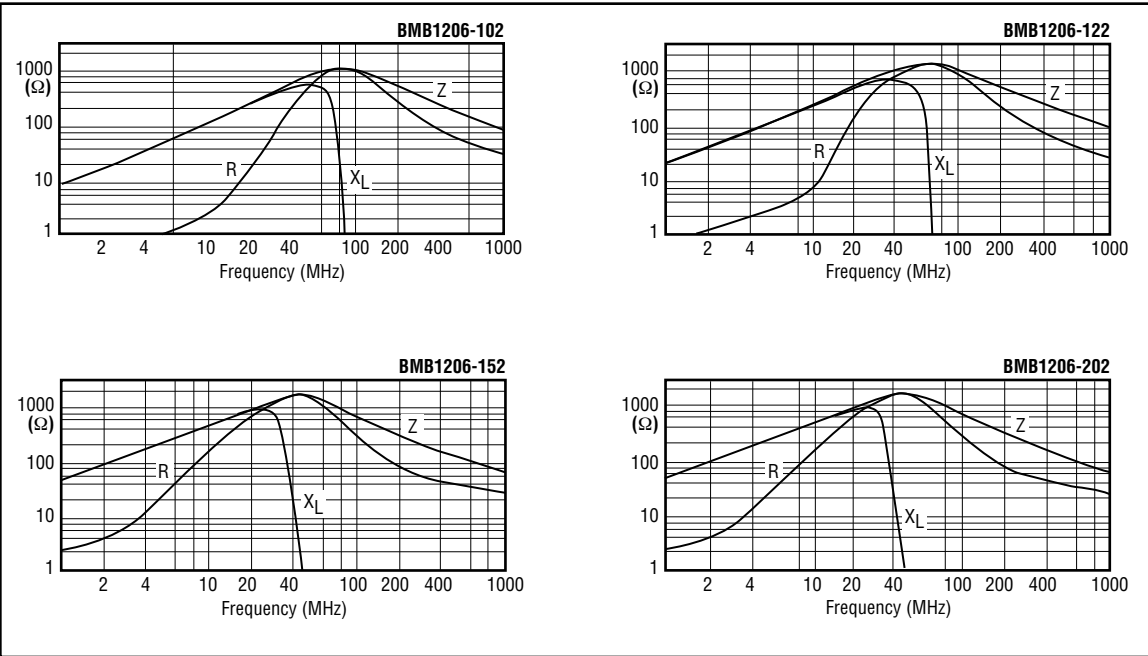


1206 SERIES IMPEDANCE VS. FREQUENCY CURVES (CONT'D)



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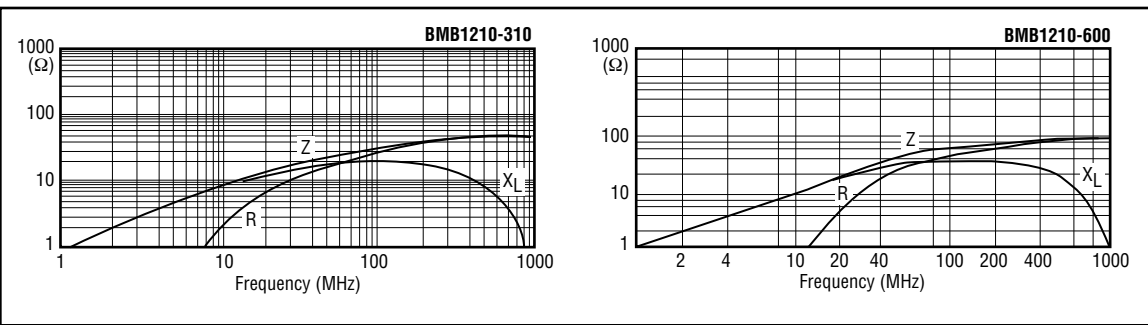
1206 SERIES IMPEDANCE VS. FREQUENCY CURVES (CONT'D)



1210 SERIES ELECTRICAL CHARACTERISTICS

Part Number	Impedance Z (Ω) ± 25% @ 100 MHz	Resistance Rdc. Max. (Ω)	Rating Current Max. (mA)
BMB1210-310	31	0.1	500
BMB1210-600	60	0.3	400

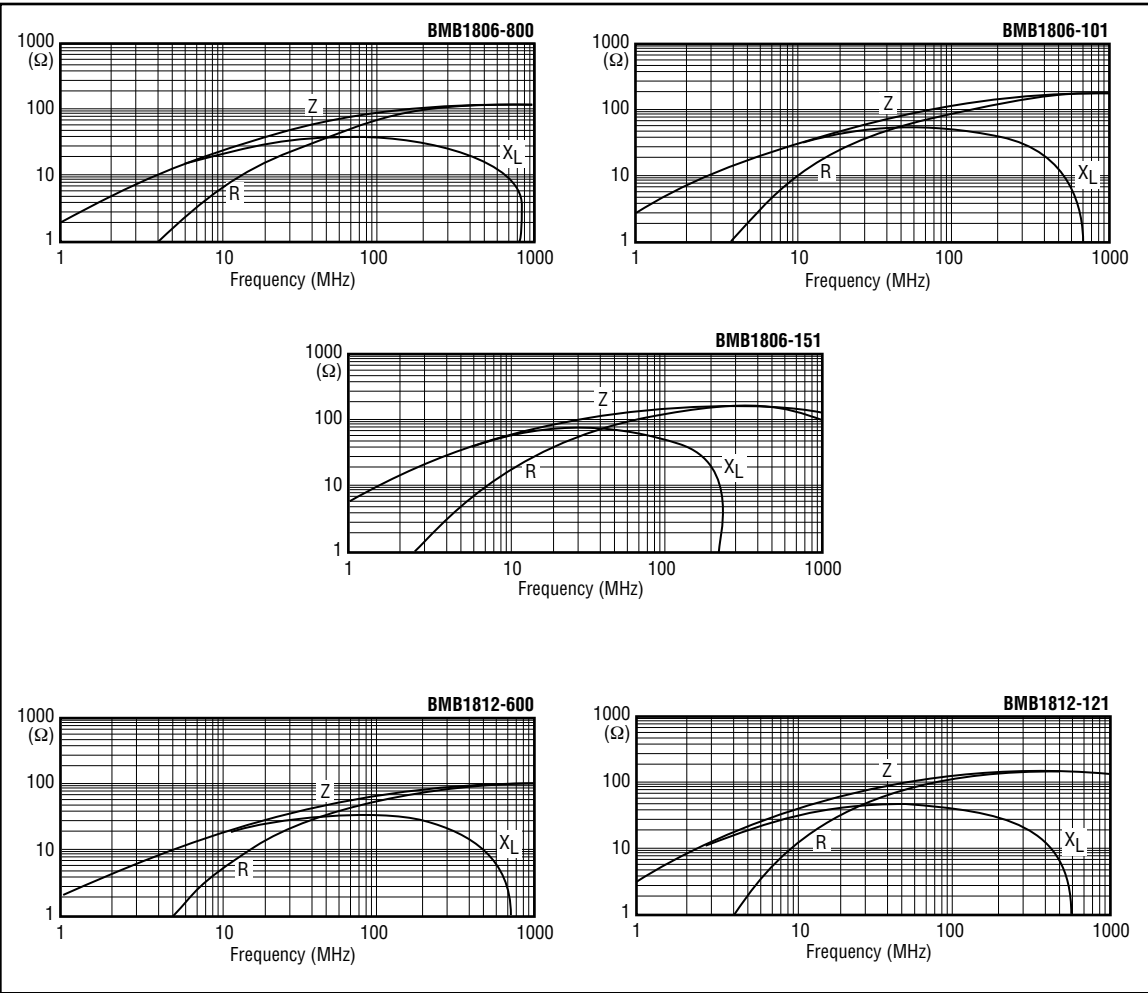
1210 SERIES IMPEDANCE VS. FREQUENCY CURVES



1806 & 1812 SERIES ELECTRICAL CHARACTERISTICS

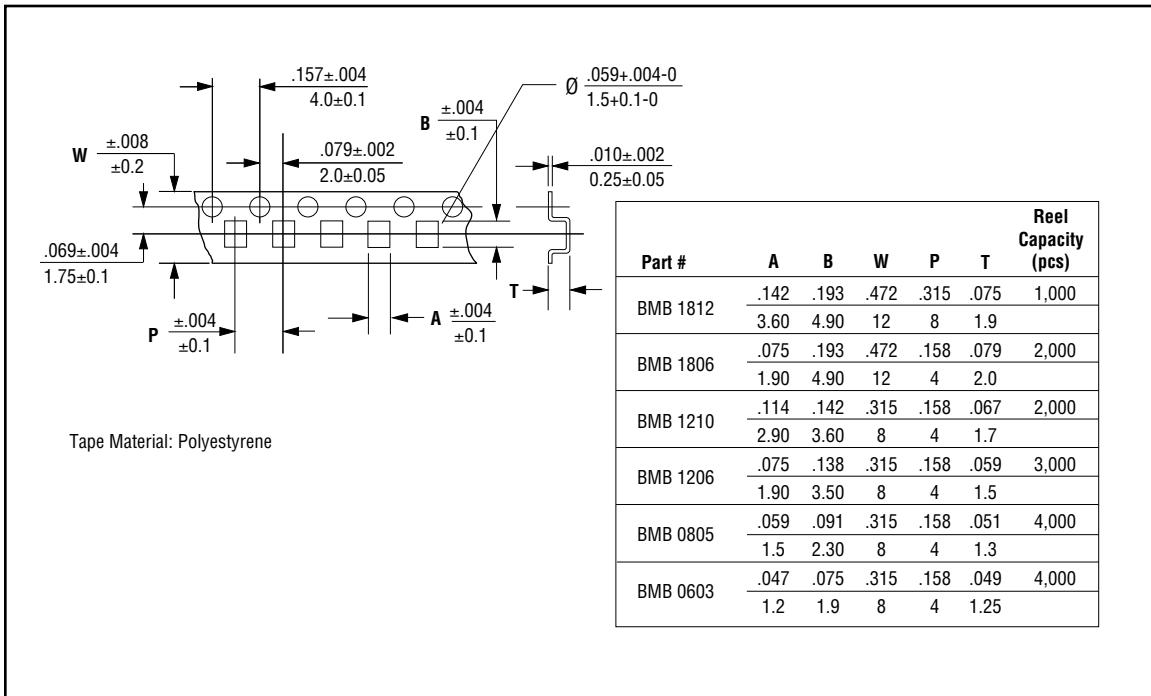
Part Number	Impedance Z (Ω) \pm 25% @ 100 MHz	Resistance Rdc. Max. (Ω)	Rating Current Max. (mA)
BMB1806-800	80	0.3	400
BMB1806-101	100	0.3	500
BMB1806-151	150	0.5	200
BMB1812-600	60	0.4	300
BMB1812-121	120	0.4	300

1806 & 1812 SERIES IMPEDANCE VS. FREQUENCY CURVES



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PACKAGING (Inch/mm)



ORDERING INFORMATION

