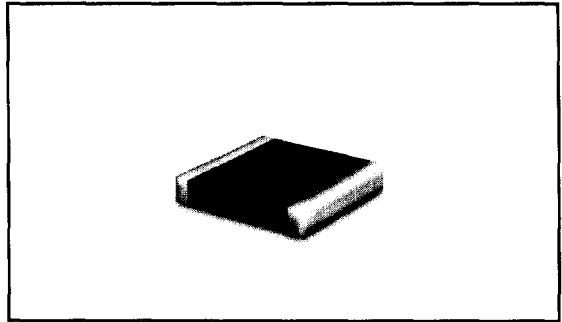


# MODEL BMB SERIES

## High Current Surface Mount Multilayer Chip Beads 0603 -1812 Industry Sizes

NEW PRODUCT



### FEATURES AND BENEFITS

- High current rating up to 6,000 mA
- Wide frequency range — 10 MHz to 500 MHz
- 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

### APPLICATIONS

- Instrumentation
- Notebook computers
- High current DC power lines
- Video and audio equipment
- Medical equipment

### ENVIRONMENTAL

Operating Temperature Range

Standard: -25°C to +85°C

Optional Extended Temperature Range: -40°C to +125°C

Storage Temperature Range

-40°C to +85°C, 70% R.H. , Max.

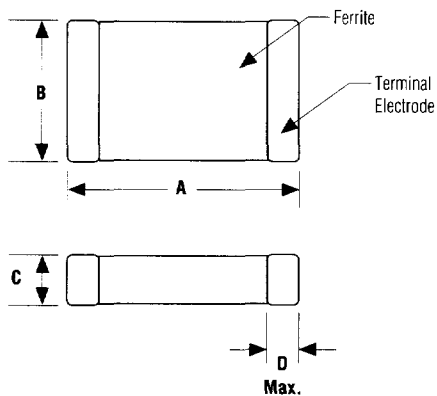
Resistance to Solder Heat

260°C for 10 sec.

Specifications subject to change without notice.

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## OUTLINE DIMENSIONS (Inch/mm)

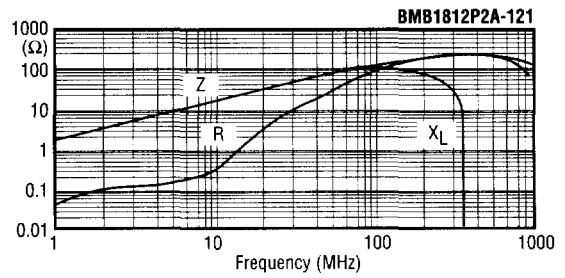
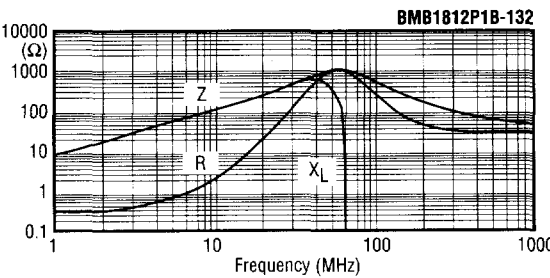
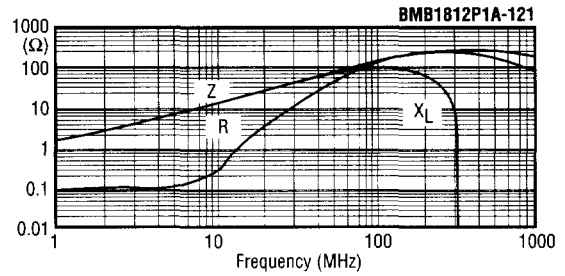
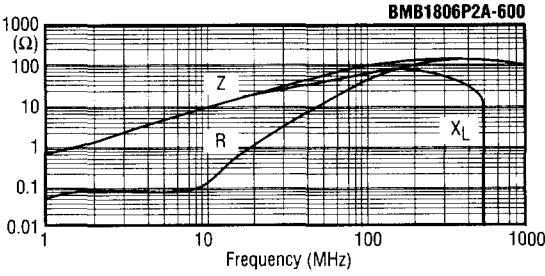
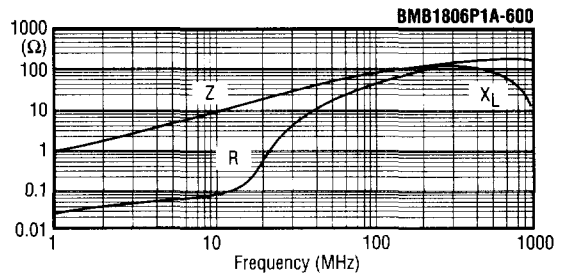
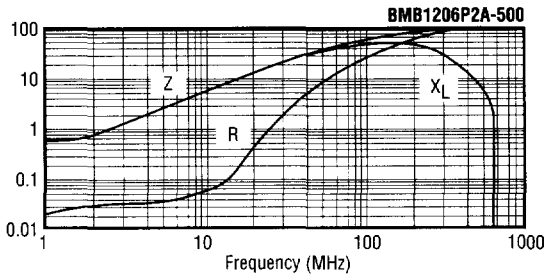
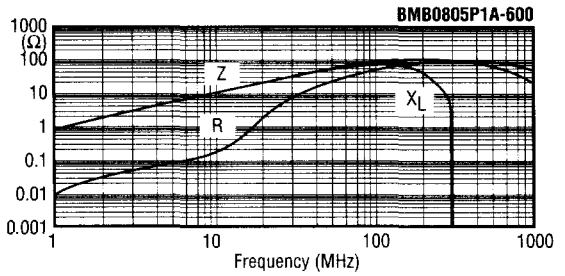
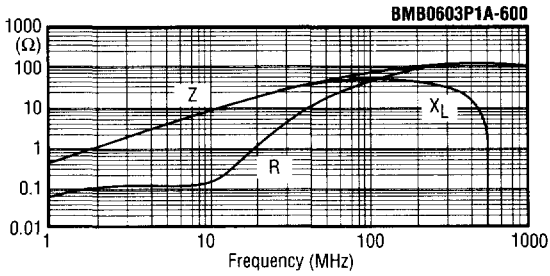


Part #	A Dim.	B Dim.	C Dim.	D Dim.
BMB 0603 (1608)	.063±.006 1.6±0.15	.031±.006 0.8±0.15	.031±.006 0.8±0.15	.018 0.45
BMB 0805 (2012)	.079±.008 2.0±0.20	.049±.008 1.25±0.20	.035±.008 0.9±0.20	.024 0.60
BMB 1206 (3216)	.126±.008 3.2±0.20	.063±.008 1.6±0.20	.043±.008 1.1±0.20	.028 0.70
BMB 1806 (4516)	.18±.008 4.5±0.20	.063±.008 1.6±0.20	.05±.005 1.3±0.20	.031 0.80
BMB 1812 (4532)	.18±.008 4.5±0.20	.126±.008 3.2±0.20	.059±.010 1.5±0.25	.031 0.80

## ELECTRICAL CHARACTERISTICS

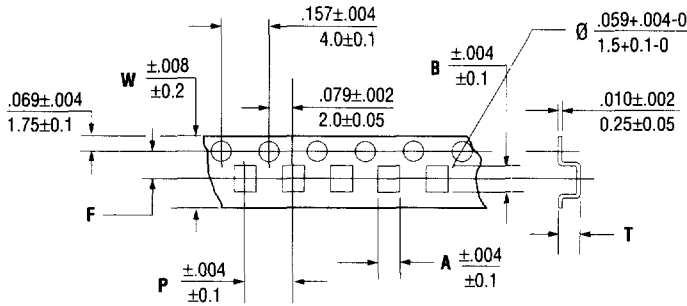
Part Number	Impedance $Z \Omega \pm 25\%$ @ 100 MHz	DC Resistance $\Omega$ Max.	Rated Current mA Max.
BMB 0603-P1A-600	60	0.10	500
BMB 0603-P1A-121	120	0.20	500
BMB 0805-P1A-600	60	0.02	3000
BMB 0805-P1A-121	120	0.03	2500
BMB 0805-P2A-121	120	0.02	5000
BMB 0805-P1A-601	600	0.30	500
BMB 1206-P1A-500	50	0.02	3000
BMB 1206-P2A-500	50	0.01	6000
BMB 1206-P1A-121	120	0.03	3000
BMB 1206-P1A-501	500	0.06	2500
BMB 1806-P1A-600	60	0.02	3000
BMB 1806-P2A-600	60	0.01	6000
BMB 1812-P1A-121	120	0.03	3000
BMB 1812-P2A-121	120	0.02	6000
BMB 1812-P1A-601	600 @ 50 MHz	0.04	3000
BMB 1812-P1B-132	1300 @ 60 MHz	0.05	3000

**IMPEDANCE VS. FREQUENCY**



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**PACKAGING (Inch/mm)**



Tape Material: Polystyrene

Part #	A Dim.	B Dim.	F Dim.	W Dim.	P Dim.	T Dim.	Qty./Reel
BMB 0603 (1608)	.047 1.2	.075 1.9	.138 3.5	.315 8.0	.158 4.0	.049 1.25	4,000
BMB 0805 (2012)	.059 1.5	.091 2.30	.138 3.5	.315 8.0	.158 4.0	.051 1.3	4,000
BMB 1206 (3216)	.075 1.90	.138 3.50	.138 3.5	.315 8.0	.158 4.0	.059 1.5	3,000
BMB 1806 (4516)	.075 1.90	.193 4.90	.217 5.5	.472 12.0	.158 4.0	.079 2.0	2,000
BMB 1812 (4532)	.142 3.60	.193 4.90	.217 5.5	.472 12.0	.315 8.0	.075 1.9	1,000

**ORDERING INFORMATION**

