

TYPE BMB-A SERIES

10th February 2004
ISSUE 2

Multilayer Ferrite Beads



TYPE BMB-A SERIES

The BMB A Series of beads cover a wide range of impedance characteristics. The chip beads have a monolithic organic material construction that minimizes the effect of electromagnetic interference. These are high loss types for general use. This series is offered in 04:02, 06:03, 08:05, 12:06, 12:10, 18:06 and 18:12 package sizes.

KEY FEATURES

- Effective EMI Protection
- Wide Frequency Characteristics
- High Soldering Heat Resistance
- Various Package Sizes Available
- Suited to a Variety of Applications

STOCKISTS:

A selection of this product is stocked by Farnell.

TYPE BMB-A SERIES

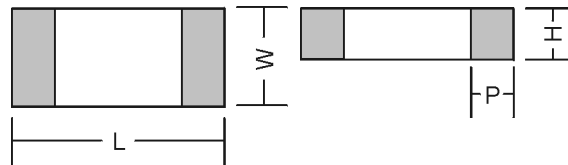
10th February 2004
ISSUE 2

GENERAL SPECIFICATION

Chip Dimensions

Size	Code	L	x	W	x	H	x	P
0402	1E	1.0 ± 0.10		0.5 ± 0.10		0.5 ± 0.10		0.25 ± 0.10
0603	1J	1.6 ± 0.15		0.8 ± 0.15		0.8 ± 0.15		0.3 ± 0.20
0805	2A	2.0 ± 0.20		1.2 ± 0.20		0.9 ± 0.20		0.5 ± 0.30
1206	2B	3.2 ± 0.20		1.6 ± 0.20		1.1 ± 0.20		0.5 ± 0.30
1210	2E	3.2 ± 0.20		2.5 ± 0.20		1.3 ± 0.20		0.5 ± 0.30
1806	2G	4.5 ± 0.20		1.6 ± 0.20		1.6 ± 0.20		0.5 ± 0.30
1812	2J	4.5 ± 0.20		3.2 ± 0.20		1.5 ± 0.20		0.5 ± 0.30

Operating Temp. Range: -55°C to +125°C



SPECIFICATION

Part Number	Impedance (ohms) at 100MHz (±25%)	DC Resistance (ohms) maximum	Rated Current (mA) maximum	Operating Temperature Range (°C)
BMB-1E-0030A-N2	30	0.2	300	-55 to +125
BMB-1E-0060A-N2	60	0.3		
BMB-1E-0120A-N2	120	0.4		
BMB-1E-0240A-N2	240	0.6	200	
BMB-1E-0300A-N2	300	0.7		
BMB-1E-0470A-N2	470	0.8		
BMB-1E-0600A-N2	600	1.0		
BMB-1J-0030A-N2	30	0.2	400	-55 to +125
BMB-1J-0040A-N2	40		300	
BMB-1J-0060A-N2	60			
BMB-1J-0080A-N2	80	0.4	250	
BMB-1J-0100A-N2	100		200	
BMB-1J-0120A-N2	120			
BMB-1J-0180A-N2	180			
BMB-1J-0220A-N2	220	0.5		
BMB-1J-0240A-N2	240			
BMB-1J-0300A-N2	300			
BMB-1J-0450A-N2	450	0.7	150	
BMB-1J-0600A-N1	600			
BMB-1J-0600A-N2				
BMB-1J-01000A-N2	1000	1.0	100	
BMB-2A-0010A-N1	10	0.1	600	-55 to +125
BMB-2A-0017A-N2	17		500	
BMB-2A-0030A-N1	30			
BMB-2A-0080A-N4	80	0.3	400	
BMB-2A-0120A-N1	120		300	
BMB-2A-0120A-N2				
BMB-2A-0120A-N4				
BMB-2A-0150A-N1	150	0.5	250	
BMB-2A-0220A-N4	220			
BMB-2A-0300A-N1	300			
BMB-2A-0400A-N2	400	0.6	200	
BMB-2A-0600A-N1	600			
BMB-2A-0600A-N2				
BMB-2A-0600A-N4				
BMB-2A-1000A-N4	1000	0.8	100	
BMB-2A-1200A-N4	1200			
BMB-2A-1500A-N4	1500			
BMB-2A-2000A-N4	2000	1.0		
BMB-2A-2200A-N4	2200			
BMB-2A-2700A-N4	2700			

TYPE BMB-A SERIES

10th February 2004
ISSUE 2

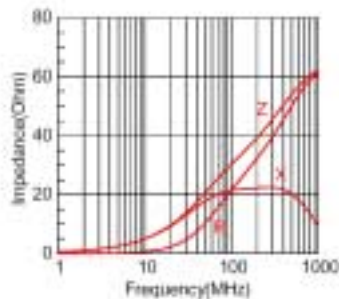
Part Number	Impedance (ohms) at 100MHz (±25%)	DC Resistance (ohms) maximum	Rated Current (mA) maximum	Operating Temperature Range (°C)
BMB-2B-0026A-N1	26	0.2	600	-55 to +125
BMB-2B-0031A-N2	31		500	
BMB-2B-0050A-N2	50			
BMB-2B-0070A-N2	70			
BMB-2B-0090A-N2	90			
BMB-2B-0120A-N4	120	0.3		
BMB-2B-0150A-N4	150			
BMB-2B-0220A-N4	220	0.4	400	
BMB-2B-0400A-N4	400		300	
BMB-2B-0500A-N1	500			
BMB-2B-0600A-N1	600	0.5	250	
BMB-2B-0600A-N2				
BMB-2B-1200A-N2	1200 @ 50MHz	0.7	200	
BMB-2B-1500A-N2	1500 @ 50MHz	1.0		
BMB-2B-2000A-N2	2000 @ 30MHz	1.5	150	
BMB-2E-0052A-N1	52	0.3	300	-55 to +125
BMB-2E-0060A-N2	60			
BMB-2G-0052A-N1	52	0.3	300	-55 to +125
BMB-2G-0060A-N2	60			
BMB-2G-0080A-N1	80			
BMB-2G-0125A-N2	125	0.5		
BMB-2G-0150A-N2	150			
BMB-2J-0120A-N1	120	0.5	300	-55 to +125
BMB-2J-0125A-N2	125			

TYPE BMB-A SERIES

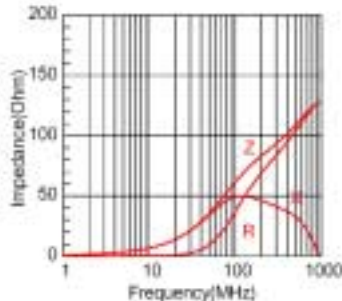
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES

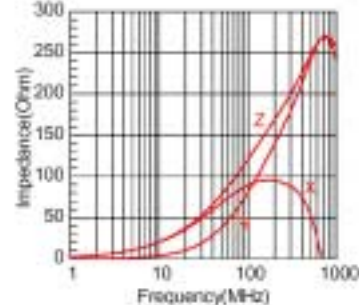
BMB-1E-0030A-N2



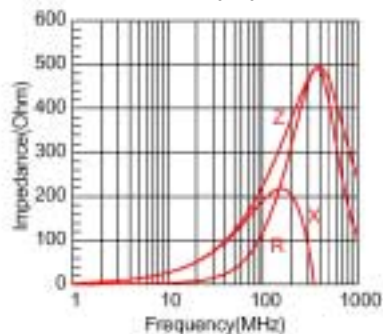
BMB-1E-0060A-N2



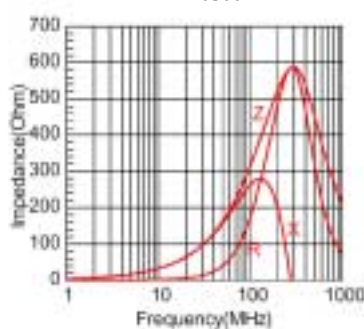
BMB-1E-0120A-N2



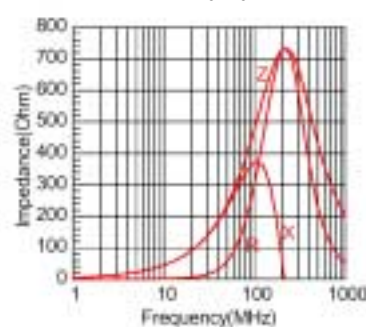
BMB-1E-0240A-N2



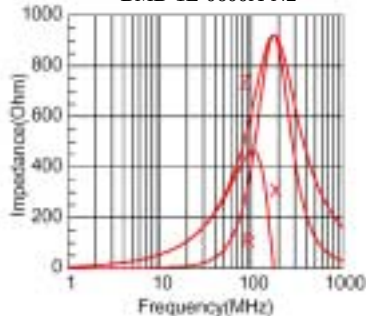
BMB-1E-0300A-N2



BMB-1E-0470A-N2



BMB-1E-0600A-N2

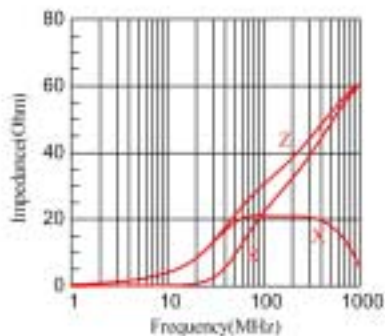


TYPE BMB-A SERIES

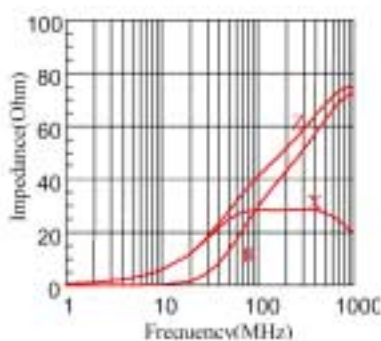
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES (cont...)

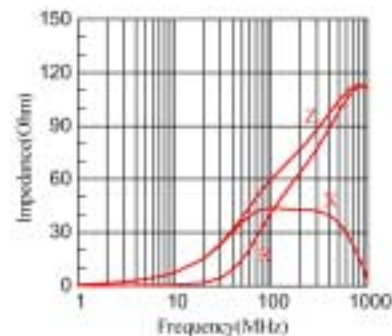
BMB-1J-0030A-N2



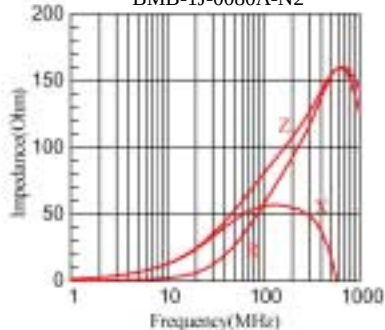
BMB-1J-0040A-N2



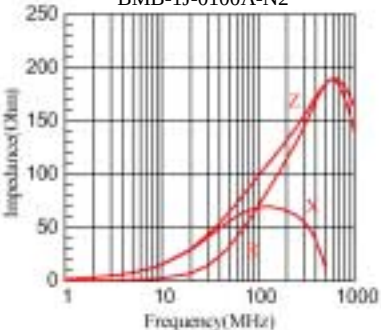
BMB-1J-0060A-N2



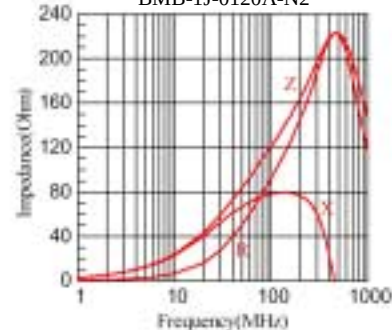
BMB-1J-0080A-N2



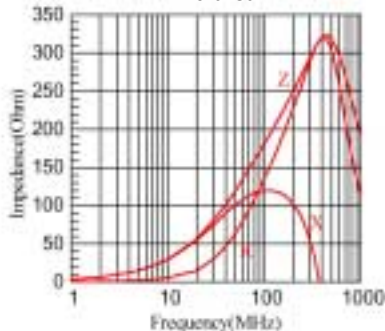
BMB-1J-0100A-N2



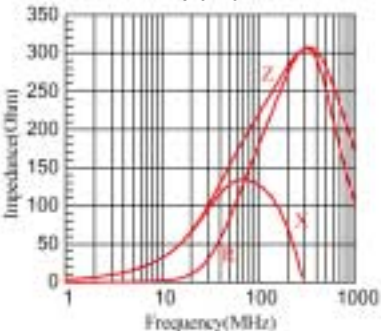
BMB-1J-0120A-N2



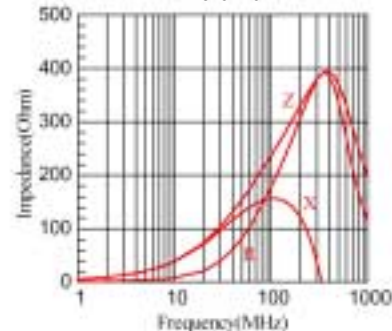
BMB-1J-0180A-N2



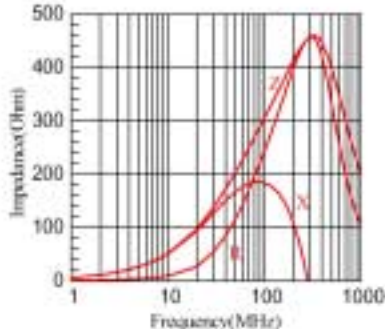
BMB-1J-0220A-N2



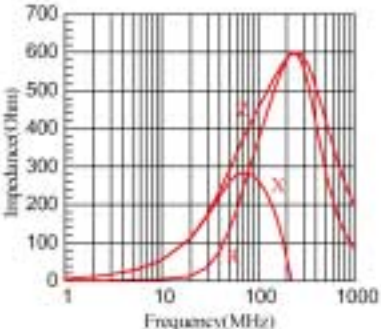
BMB-1J-0240A-N2



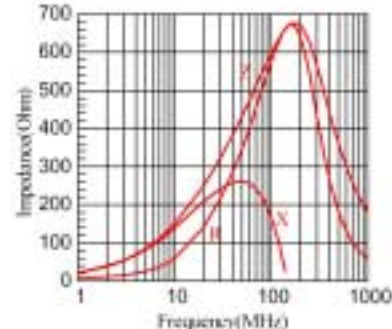
BMB-1J-0300A-N2



BMB-1J-0450A-N2



BMB-1J-0600A-N1

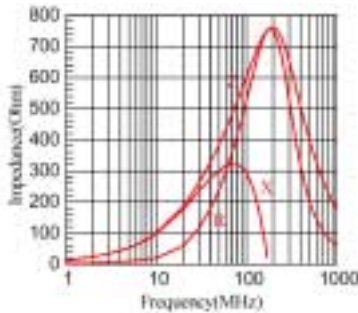


TYPE BMB-A SERIES

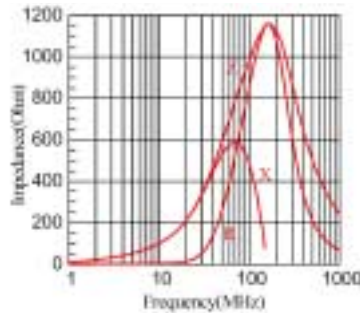
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES (cont...)

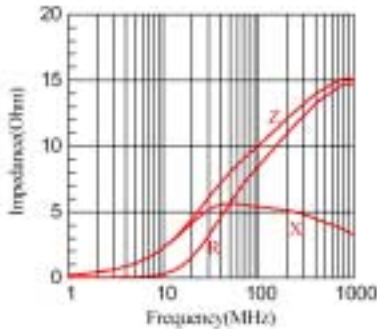
BMB-1J-0600A-N2



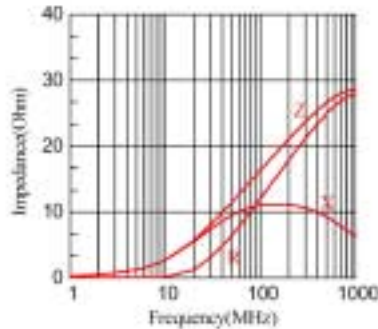
BMB-1J-1000A-N2



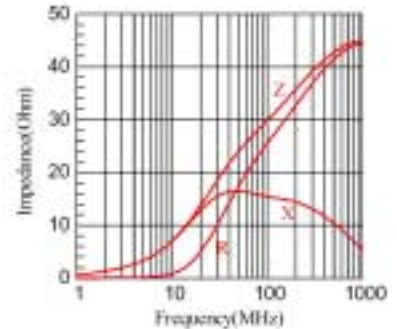
BMB-2A-0010A-N1



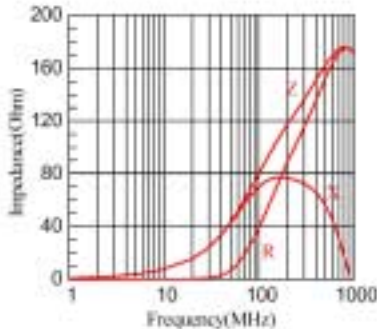
BMB-2A-0017A-N2



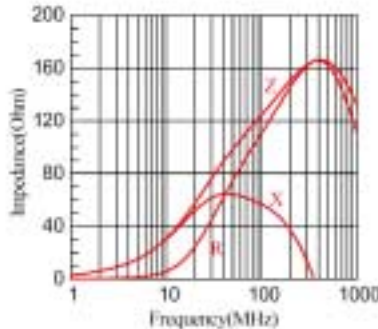
BMB-2A-0030A-N1



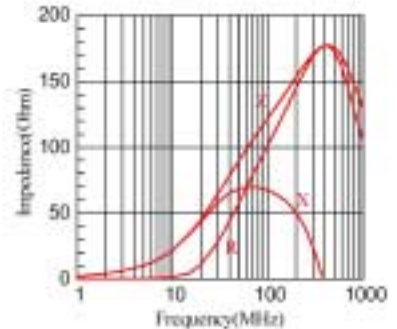
BMB-2A-0080A-N4



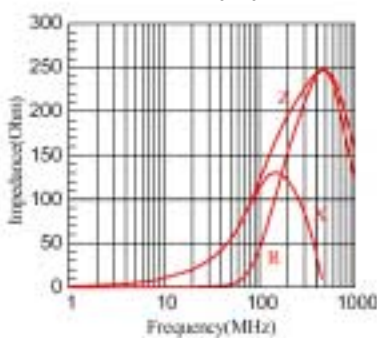
BMB-2A-0120A-N1



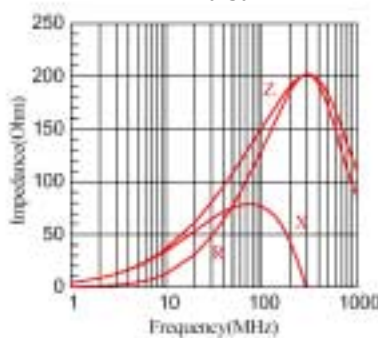
BMB-2A-0120A-N2



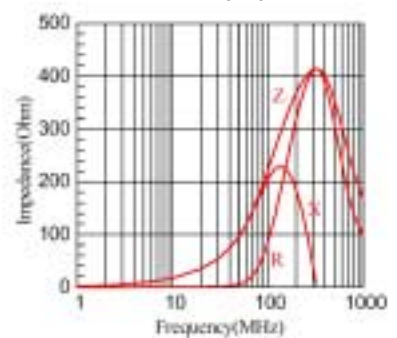
BMB-2A-0120A-N4



BMB-2A-0150A-N1



BMB-2A-0220A-N4

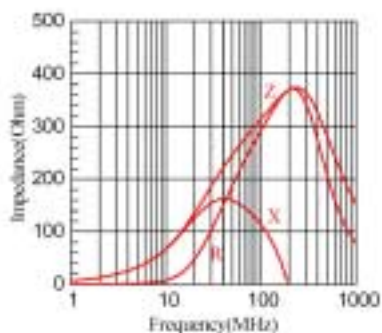


TYPE BMB-A SERIES

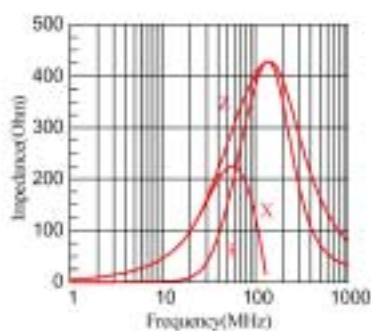
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES (cont...)

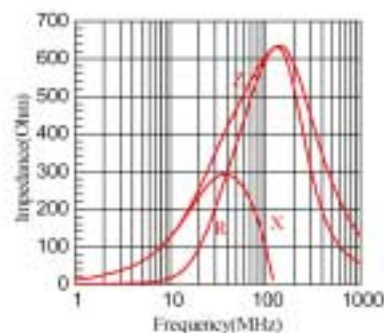
BMB-2A-0300A-N1



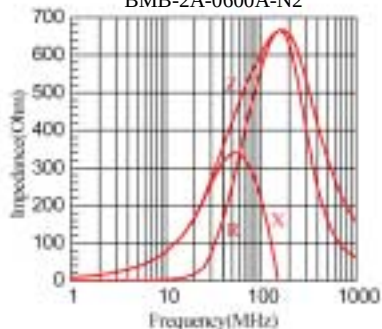
BMB-2A-0400A-N2



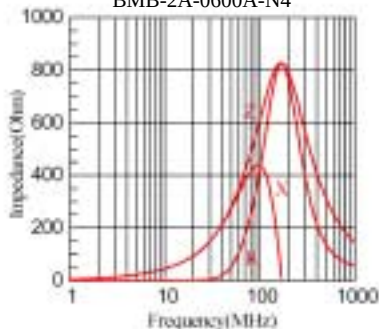
BMB-2A-0600A-N1



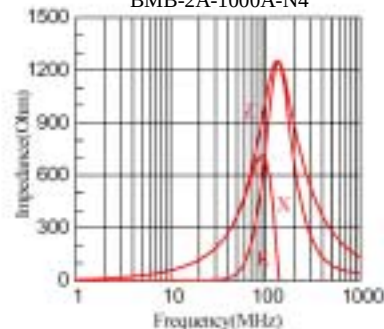
BMB-2A-0600A-N2



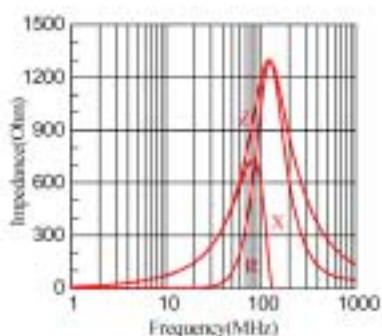
BMB-2A-0600A-N4



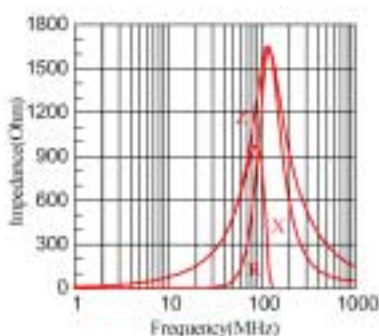
BMB-2A-1000A-N4



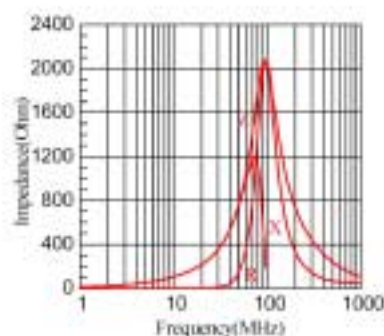
BMB-2A-1200A-N4



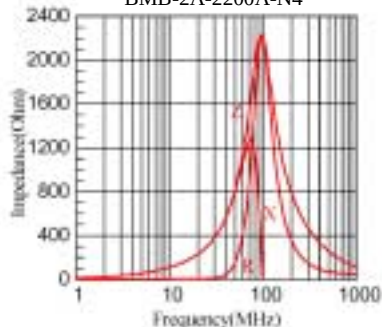
BMB-2A-1500A-N4



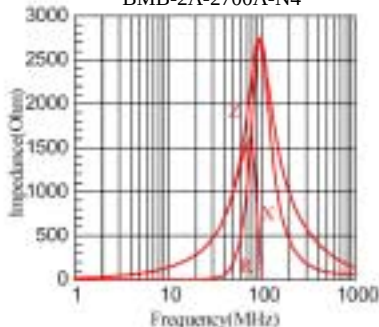
BMB-2A-2000A-N4



BMB-2A-2200A-N4



BMB-2A-2700A-N4

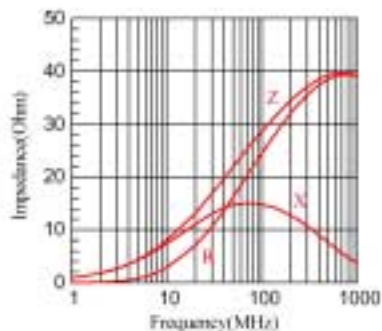


TYPE BMB-A SERIES

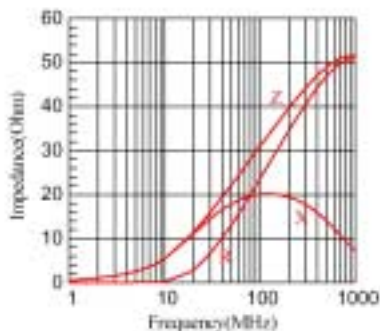
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES (cont...)

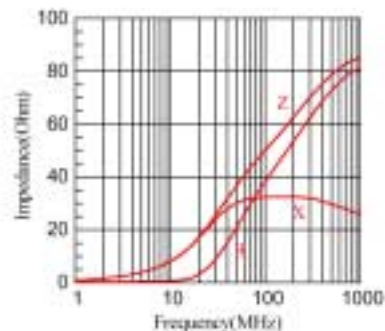
BMB-2B-0026A-N1



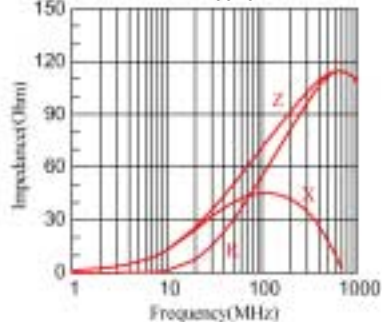
BMB-2B-0031A-N2



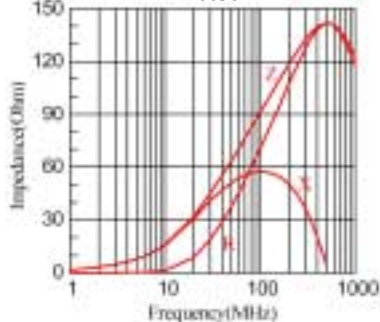
BMB-2B-0050A-N2



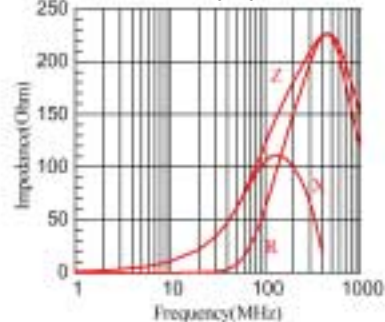
BMB-2B-0070A-N2



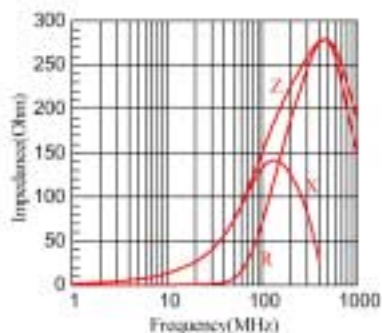
BMB-2B-0090A-N2



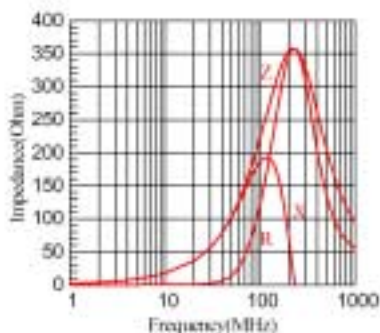
BMB-2B-0120A-N4



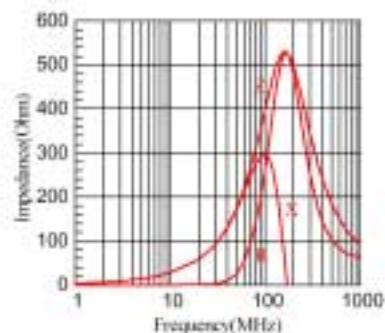
BMB-2B-0150A-N4



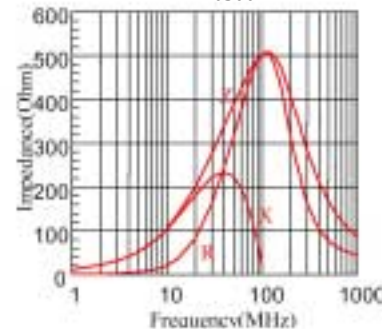
BMB-2B-0220A-N4



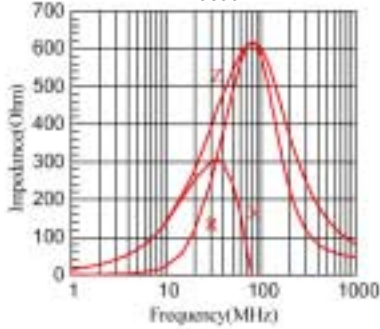
BMB-2B-0400A-N4



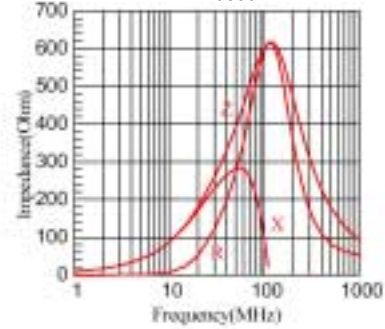
BMB-2B-0500A-N1



BMB-2B-0600A-N1



BMB-2B-0600A-N2

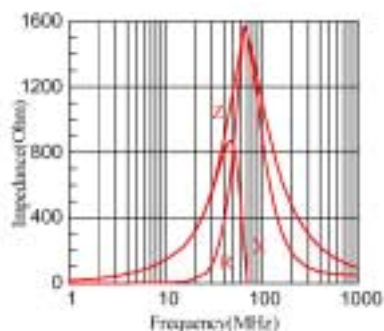


TYPE BMB-A SERIES

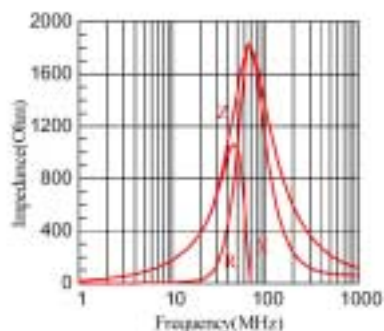
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES (cont...)

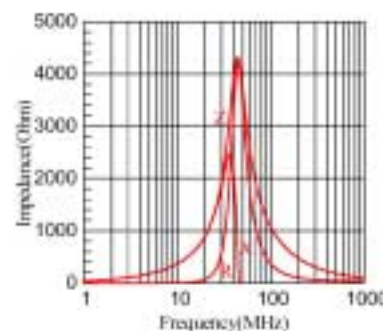
BMB-2B-1200A-N2



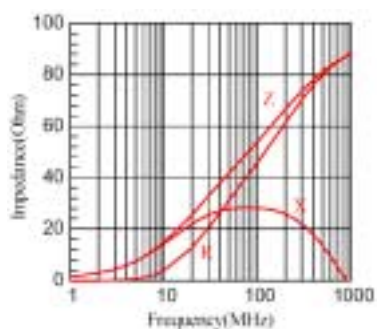
BMB-2B-1500A-N2



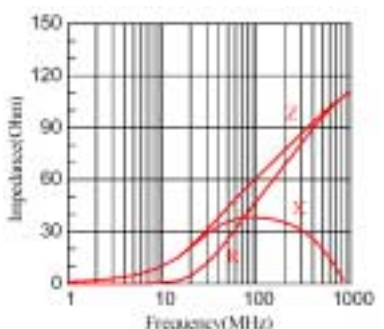
BMB-2B-2000A-N2



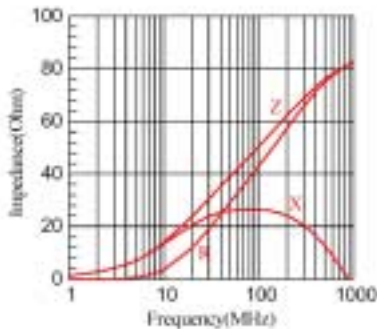
BMB-2E-0052A-N1



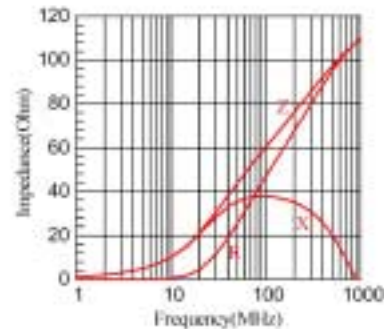
BMB-2E-0060A-N2



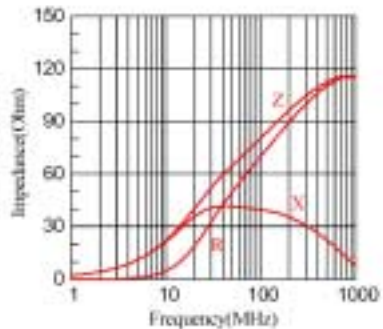
BMB-2G-0052A-N1



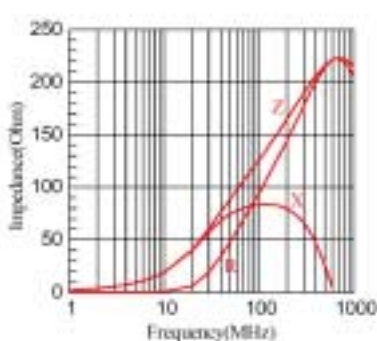
BMB-2G-0060A-N2



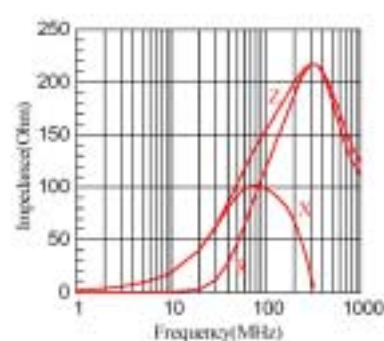
BMB-2G-0080A-N1



BMB-2G-0125A-N2



BMB-2G-0150A-N2

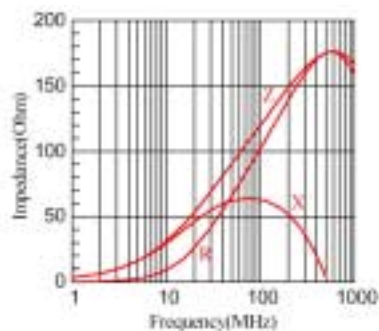


TYPE BMB-A SERIES

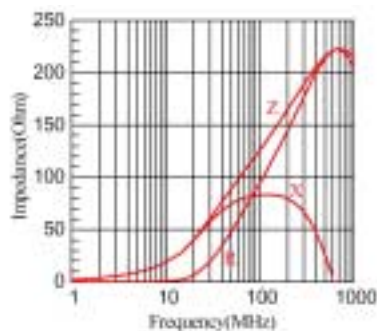
10th February 2004
ISSUE 2

CHARACTERISTIC CURVES (cont...)

BMB-2J-0120A-N1



BMB-2J-0125A-N2



This publication is issued to provide outline information only and (unless specifically agreed to the contrary by the Company in writing) is not to form part of any order or be regarded as a representation relating to the products or service concerned. We reserve the right to alter without notice the specification, design, price or conditions of supply of any product or service. Whilst Tyco Electronics Components products are of the very highest quality and reliability, all electronic components can occasionally be subject to failure. Where failure of a Tyco Electronics Components product could result in life threatening consequences, then the circuit and application must be discussed with the Company. Such areas might include ECG, respiratory and other medical and nuclear applications and any non fail-safe applications circuit.