

**Type BMB-A Series**

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The BMB-A Series of beads cover a wide range of impedance characteristics. The chip beads have a monolithic organic material construction that minimises 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**

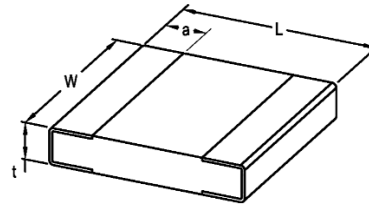
- **Effective EMI Protection**
- **Wide Frequency Characteristics**
- **High Soldering Heat Resistance**
- **Various Package Sizes Available**
- **Suited to a Variety of Applications**

**Specifications**

| Part Number   | Impedance (ohms)<br>at 100MHz (±25%) | DC Resistance<br>(ohms) maximum | Rated Current (mA)<br>maximum |
|---------------|--------------------------------------|---------------------------------|-------------------------------|
| BMB1E0030AN2  | 30                                   | 0.2                             | 300                           |
| BMB1E0060AN2  | 60                                   | 0.3                             |                               |
| BMB1E0120AN2  | 120                                  | 0.4                             |                               |
| BMB1E0240AN2  | 240                                  | 0.6                             | 200                           |
| BMB1E0300AN2  | 300                                  | 0.7                             |                               |
| BMB1E0470AN2  | 470                                  | 0.8                             |                               |
| BMB1E0600AN2  | 600                                  | 1.0                             |                               |
|               |                                      |                                 |                               |
| BMB1J0030AN2  | 30                                   | 0.2                             | 400                           |
| BMB1J0040AN2  | 40                                   |                                 | 300                           |
| BMB1J0060AN2  | 60                                   |                                 |                               |
| BMB1J0080AN2  | 80                                   | 0.4                             |                               |
| BMB1J0100AN2  | 100                                  |                                 | 200                           |
| BMB1J0120AN2  | 120                                  |                                 |                               |
| BMB1J0180AN2  | 180                                  |                                 |                               |
| BMB1J0220AN2  | 220                                  |                                 |                               |
| BMB1J0240AN2  | 240                                  |                                 |                               |
| BMB1J0300AN2  | 300                                  | 0.5                             | 150                           |
| BMB1J0450AN2  | 450                                  |                                 |                               |
| BMB1J0600AN1  | 600                                  | 0.7                             |                               |
| BMB1J0600AN2  |                                      | 150                             |                               |
| BMB1J01000AN2 | 1000                                 | 1.0                             |                               |
|               |                                      |                                 |                               |
| BMB2A0010AN1  | 10                                   | 0.1                             | 600                           |
| BMB2A0017AN2  | 17                                   |                                 | 500                           |
| BMB2A0030AN1  | 30                                   |                                 | 400                           |
| BMB2A0080AN4  | 80                                   | 0.3                             | 300                           |
| BMB2A0120AN1  | 120                                  |                                 |                               |
| BMB2A0120AN2  |                                      |                                 |                               |
| BMB2A0120AN4  |                                      |                                 |                               |
| BMB2A0150AN1  | 150                                  | 0.5                             | 250                           |
| BMB2A0220AN4  | 220                                  |                                 |                               |
| BMB2A0300AN1  | 300                                  |                                 |                               |
| BMB2A0400AN2  | 400                                  |                                 |                               |
| BMB2A0600AN1  | 600                                  | 0.6                             | 200                           |
| BMB2A0600AN2  |                                      |                                 |                               |
| BMB2A0600AN4  |                                      |                                 |                               |
| BMB2A1000AN4  | 1000                                 | 0.8                             | 100                           |
| BMB2A1200AN4  | 1200                                 |                                 |                               |
| BMB2A1500AN4  | 1500                                 |                                 |                               |
| BMB2A2000AN4  | 2000                                 | 1.0                             |                               |
| BMB2A2200AN4  | 2200                                 |                                 |                               |
| BMB2A2700AN4  | 2700                                 | 1.5                             |                               |
|               |                                      |                                 |                               |
| BMB2B0026AN1  | 26                                   | 0.2                             | 600                           |
| BMB2B0031AN2  | 31                                   |                                 | 500                           |
| BMB2B0050AN2  | 50                                   |                                 |                               |
| BMB2B0070AN2  | 70                                   |                                 |                               |
| BMB2B0090AN2  | 90                                   |                                 |                               |
| BMB2B0120AN4  | 120                                  | 0.3                             |                               |
| BMB2B0150AN4  | 150                                  |                                 |                               |
| BMB2B0220AN4  | 220                                  |                                 |                               |
| BMB2B0400AN4  | 400                                  | 0.4                             | 400                           |
| BMB2B0500AN1  | 500                                  |                                 | 300                           |
| BMB2B0600AN1  | 600                                  | 0.5                             | 250                           |
| BMB2B0600AN2  |                                      |                                 |                               |
| BMB2B1200AN2  | 1200 @ 50MHz                         | 0.7                             | 200                           |
| BMB2B1500AN2  | 1500 @ 50MHz                         | 1.0                             |                               |
| BMB2B2000AN2  | 2000 @ 30MHz                         | 1.5                             |                               |
|               |                                      |                                 |                               |
| BMB2E0052AN1  | 52                                   | 0.3                             | 300                           |
| BMB2E0060AN2  | 60                                   |                                 |                               |
|               |                                      |                                 |                               |
| BMB2G0052AN1  | 52                                   | 0.3                             | 300                           |
| BMB2G0060AN2  | 60                                   |                                 |                               |
| BMB2G0080AN1  | 80                                   |                                 |                               |
| BMB2G0125AN2  | 125                                  | 0.5                             |                               |
| BMB2G0150AN2  | 150                                  |                                 |                               |
|               |                                      |                                 |                               |
| BMB2J0120AN1  | 120                                  | 0.5                             | 300                           |
| BMB2J0125AN2  | 125                                  |                                 |                               |

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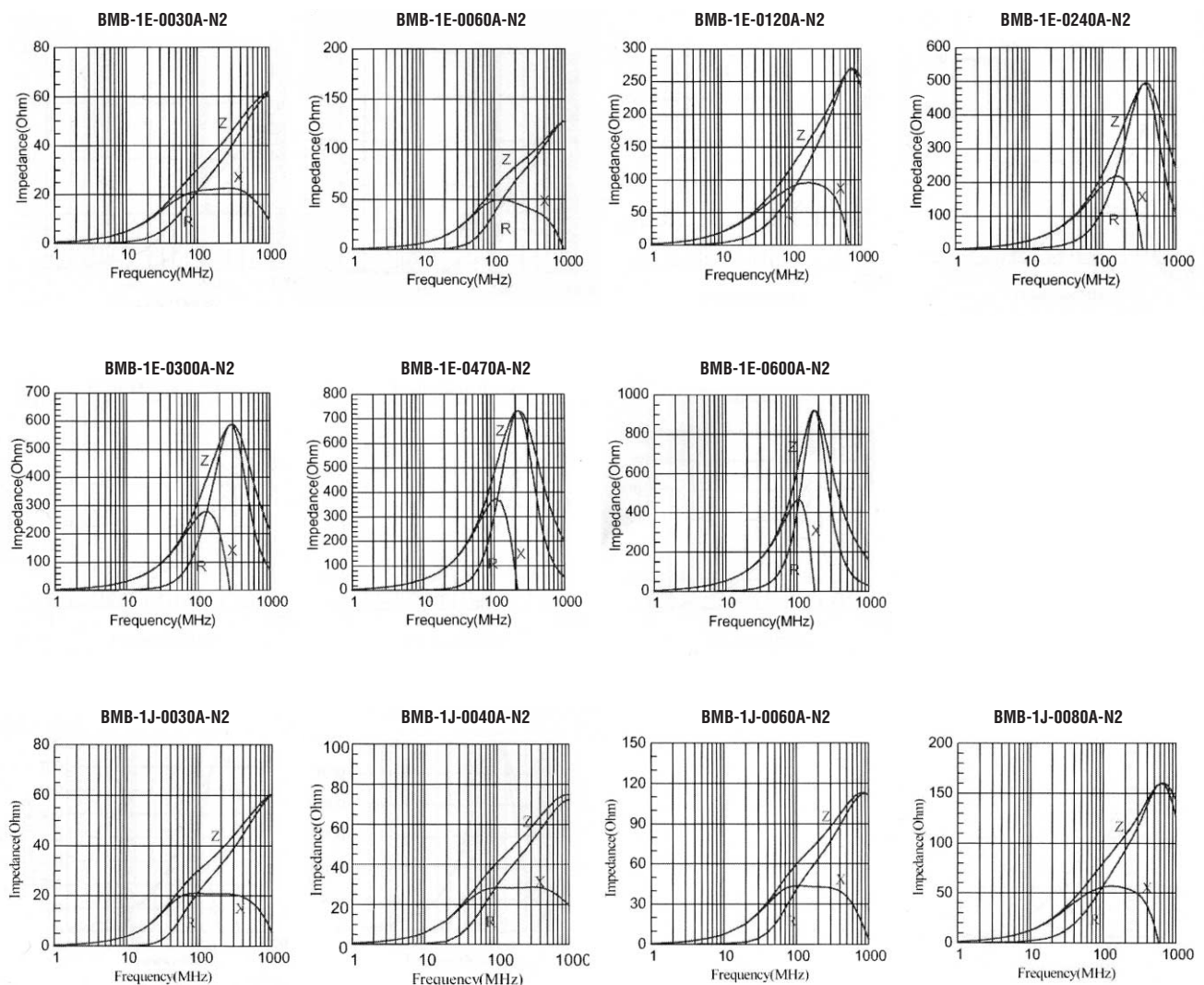
**Chip Dimensions**



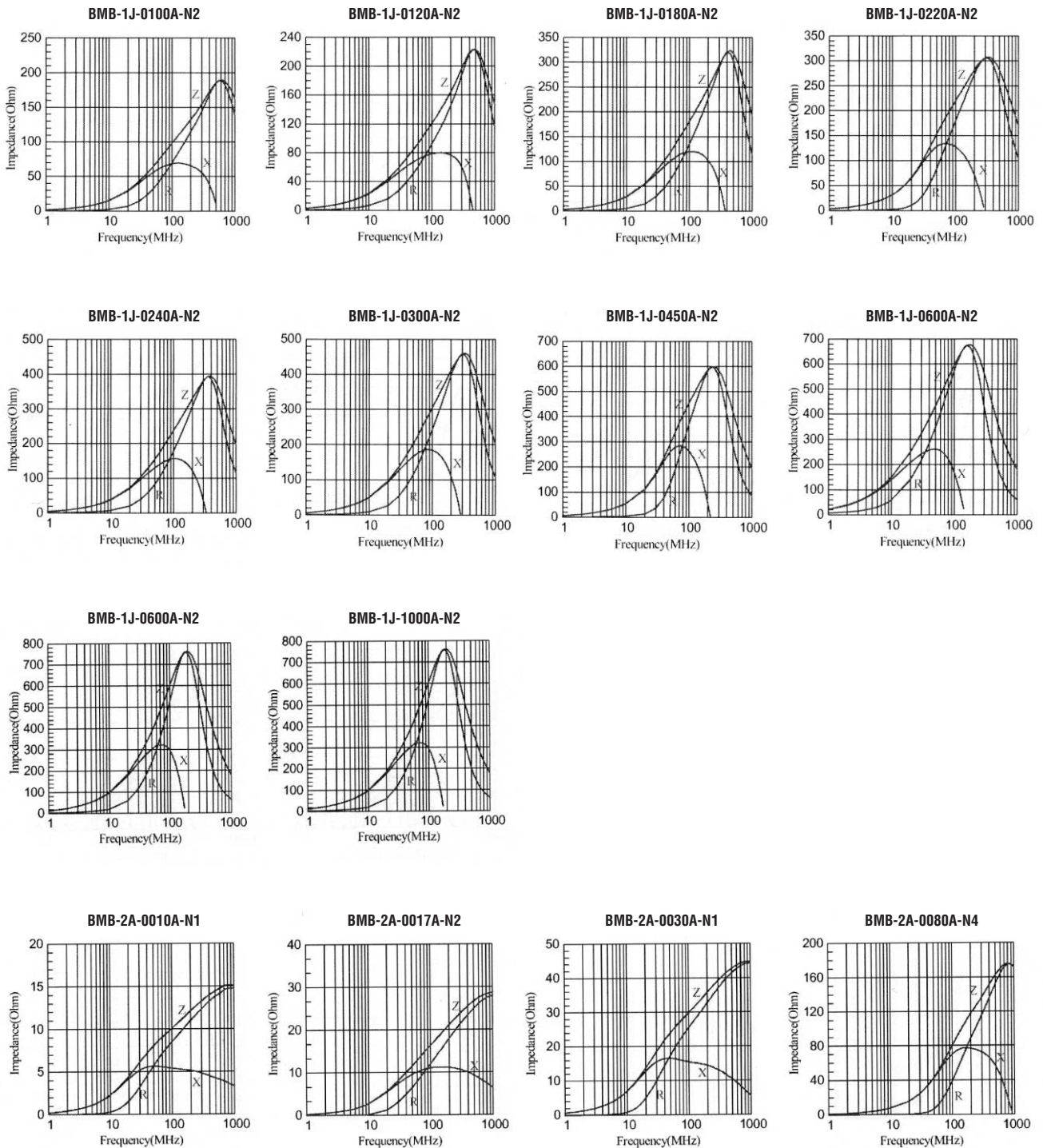
| Size | Code | L         | W         | t         | a          |
|------|------|-----------|-----------|-----------|------------|
| 0402 | 1E   | 1.0 ±0.10 | 0.5 ±0.10 | 0.5 ±0.10 | 0.25 ±0.10 |
| 0603 | 1J   | 1.6 ±0.15 | 0.8 ±0.15 | 0.8 ±0.15 | 0.3 ±0.20  |
| 0805 | 2A   | 2.0 ±0.20 | 1.2 ±0.20 | 0.9 ±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 Temperature Range: -55°C to +125°C

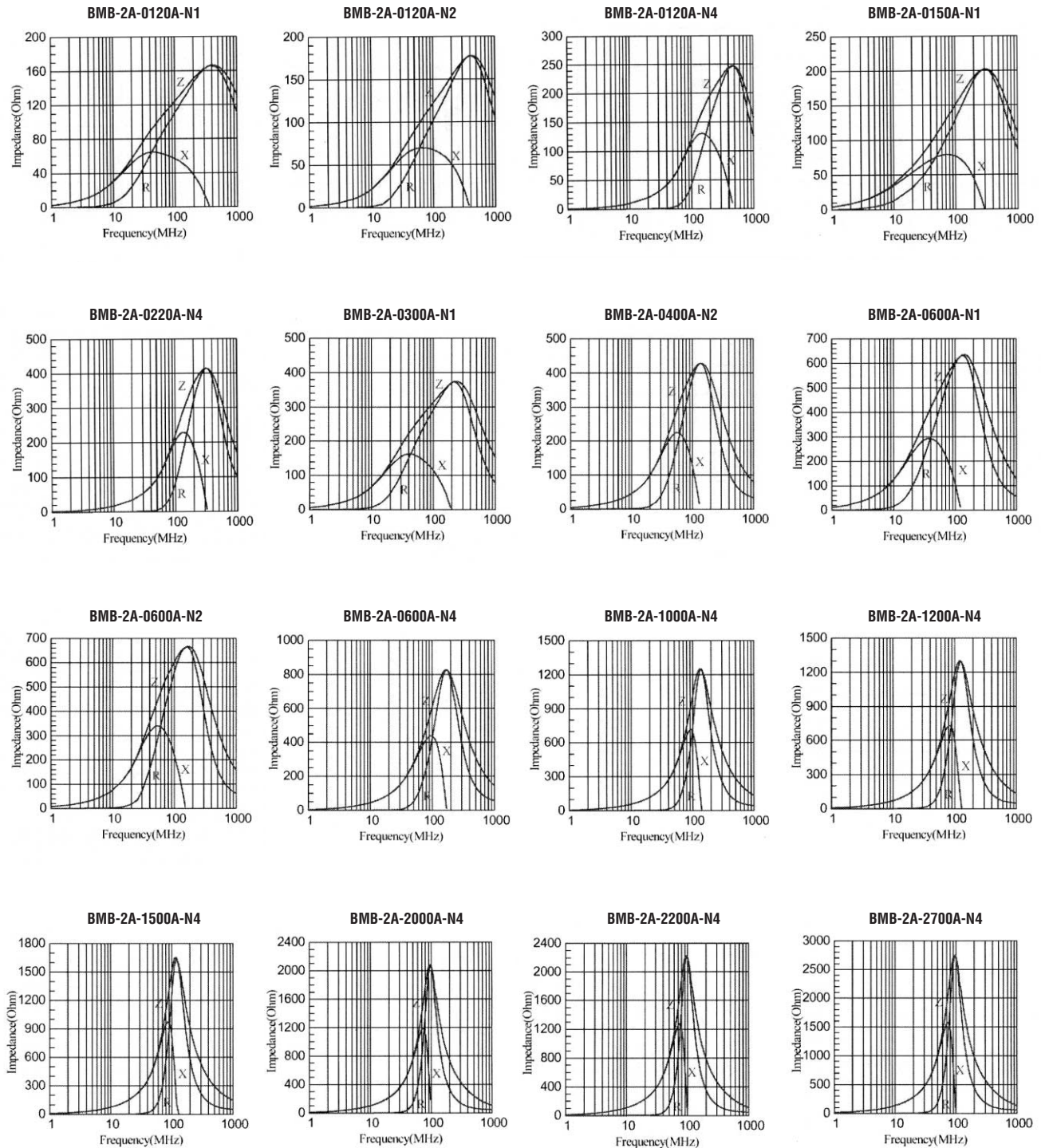
**Characteristic Curves**



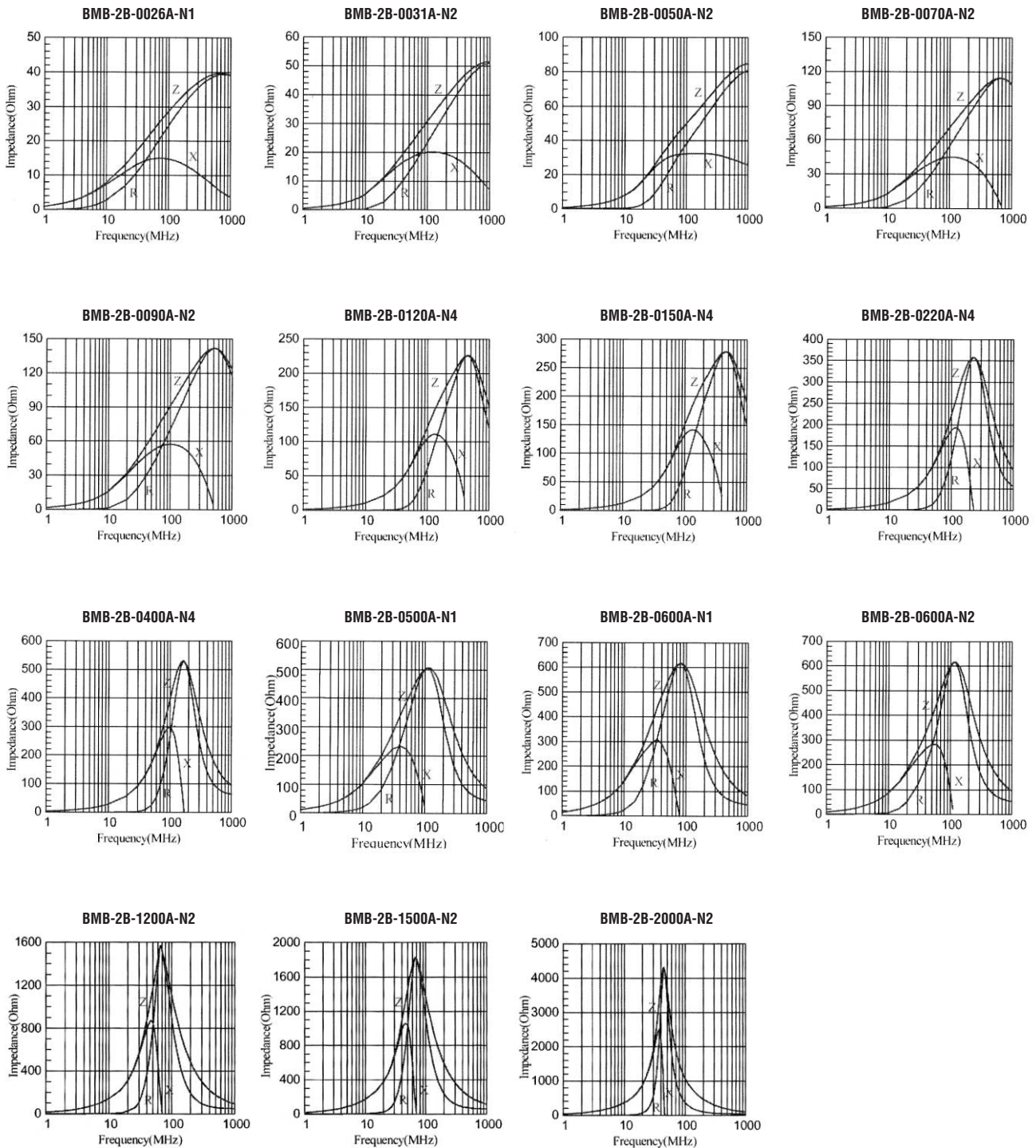
**Characteristic Curves (continued)**



**Characteristic Curves (continued)**



**Characteristic Curves (continued)**



**Characteristic Curves (continued)**

