


Features

- Four beads in one package
- High speed and high impedance
- Nickel barrier

 The MA Series is not recommended for new designs.

MA Series Chip Ferrite Bead Arrays

Electrical Specifications

| Model Number | Impedance (Ω) at 100MHz | RDC (Ω) Max. | IDC (mA) Max. |
|--------------|-------------------------|--------------|---------------|
| MA3216-600M4 | 60 | 0.12 | 200 |
| MA3216-800M4 | 80 | 0.15 | 150 |
| MA3216-121M4 | 120 | 0.20 | 100 |
| MA3216-201M4 | 200 | 0.30 | 100 |
| MA3216-301M4 | 300 | 0.45 | 100 |
| MA3216-471M4 | 470 | 0.45 | 100 |
| MA3216-601M4 | 600 | 0.50 | 100 |
| MA3216-102M4 | 1000 | 0.80 | 100 |
| MA3216-600T4 | 60 | 0.12 | 200 |
| MA3216-121T4 | 120 | 0.20 | 200 |
| MA3216-201T4 | 200 | 0.30 | 150 |
| MA3216-301T4 | 300 | 0.45 | 150 |
| MA3216-601T4 | 600 | 0.50 | 100 |
| MA3216-102T4 | 1000 | 0.80 | 50 |
| MA3216-500S4 | 50 | 0.20 | 200 |
| MA3216-800S4 | 80 | 0.25 | 200 |
| MA3216-121S4 | 120 | 0.25 | 200 |
| MA3216-201S4 | 200 | 0.30 | 200 |
| MA3216-301S4 | 300 | 0.40 | 200 |

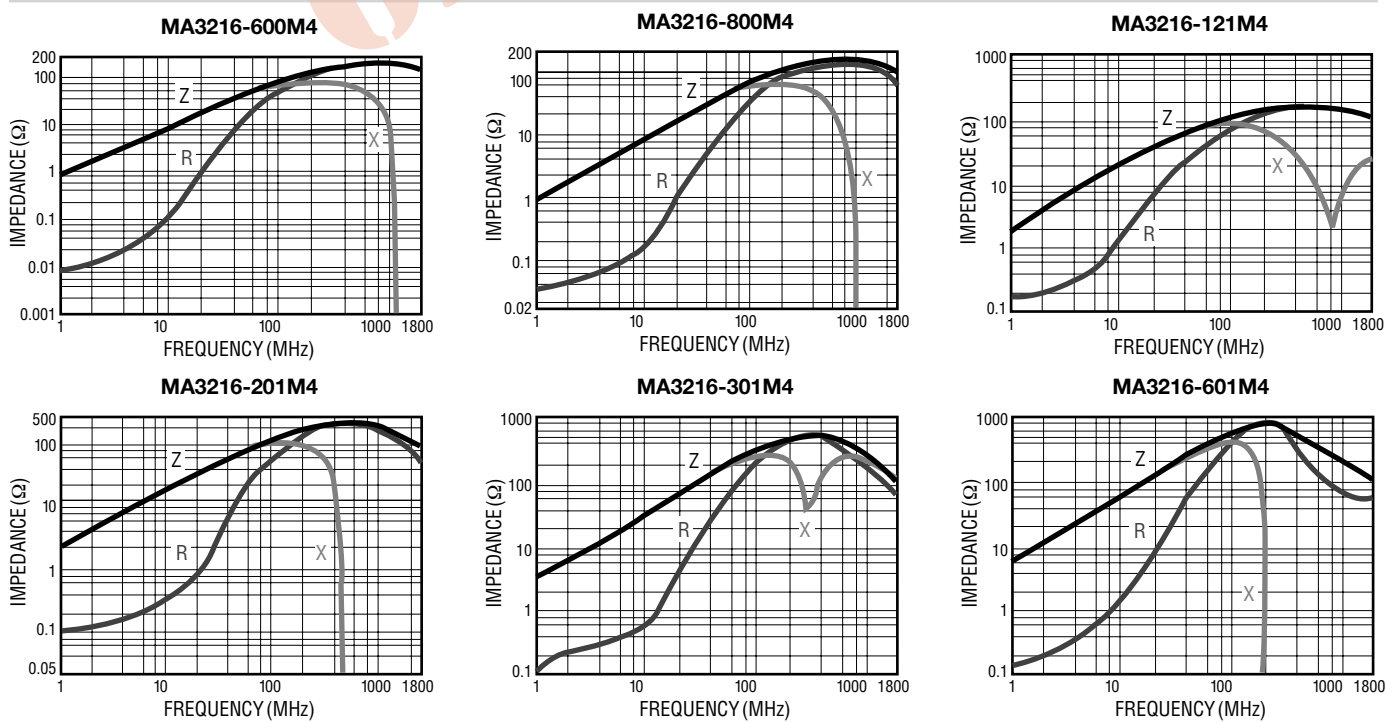
General Specifications

Operating Temperature-55 °C to +125 °C
 Storage Temperature-55 °C to +125 °C
 Storage Condition+40 °C max. at 70 % RH
 Impedance Tolerance.....±25 %
 Reflow Soldering230 °C, 10 seconds max.
 Resistance to Soldering Heat260 °C, 10 seconds
 Model Designator
 M4High Impedance
 T4Low Speed
 S4High Speed
 Rated CurrentBased on max. temperature rise of +40 °C
 Terminal Strength (Force "F" applied for 30 seconds)
 3216 Series1.2 F (Kg)

Materials

Core MaterialFerrite
 Internal Conductor.....Ag
 TerminalAg/Ni/Sn

Electrical Specifications (continued)

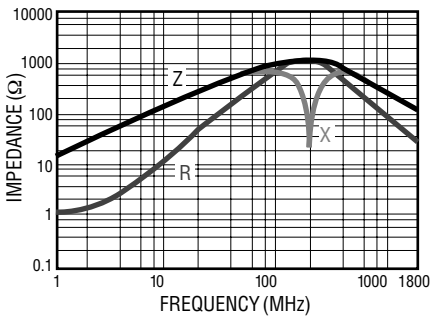


*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
 Users should verify actual device performance in their specific applications.

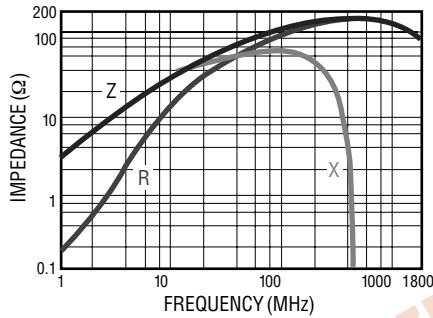
MA Series Chip Ferrite Bead Arrays

Electrical Specifications (Continued)

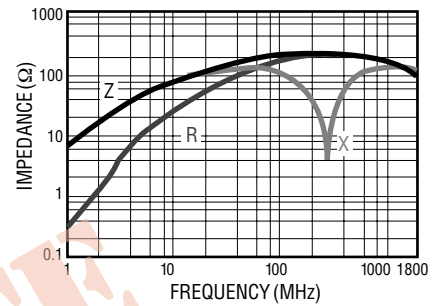
MA3216-102M4



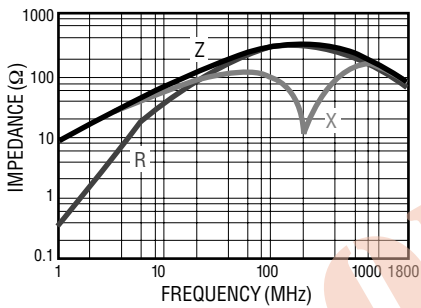
MA3216-121T4



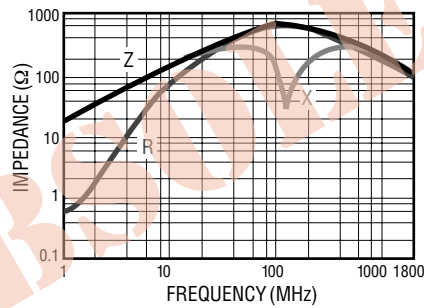
MA3216-201T4



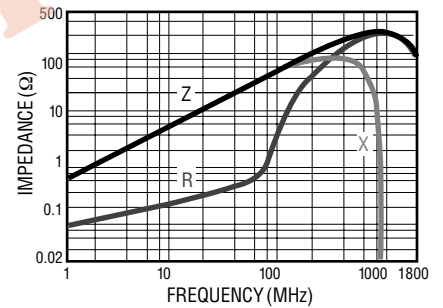
MA3216-301T4



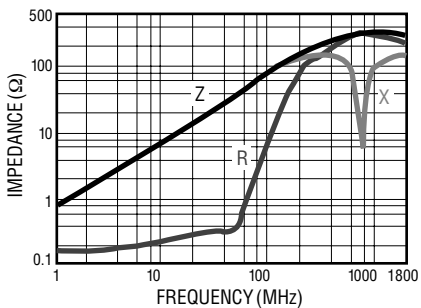
MA3216-601T4



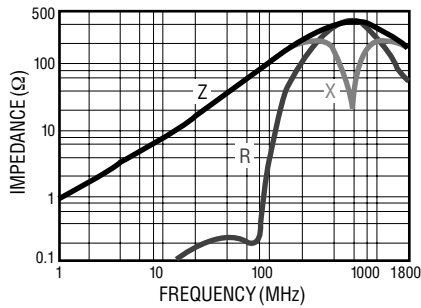
MA3216-500S4



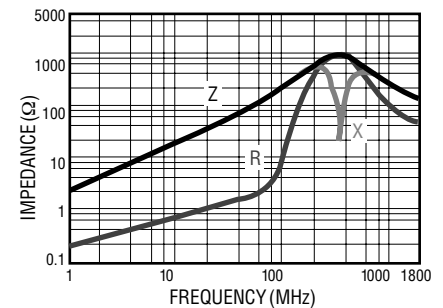
MA3216-800S4



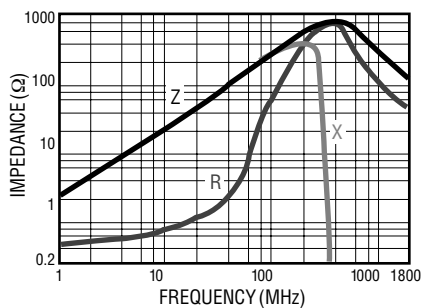
MA3216-121S4



MA3216-201S4



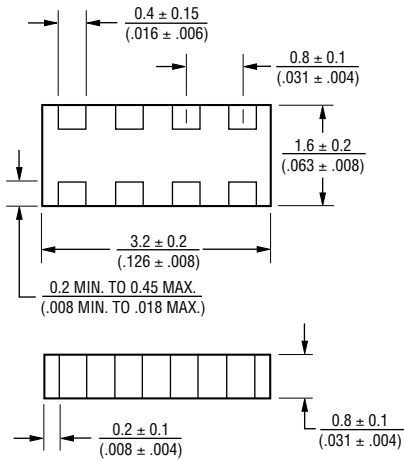
MA3216-301S4



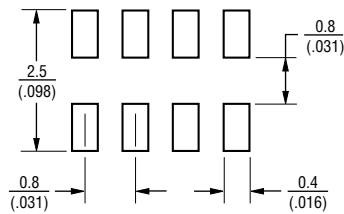
Specifications are subject to change without notice.
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Users should verify actual device performance in their specific applications.

MA Series Chip Ferrite Bead Arrays

Product Dimensions

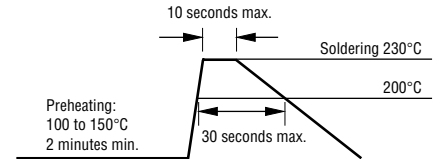


Recommended Land Pattern

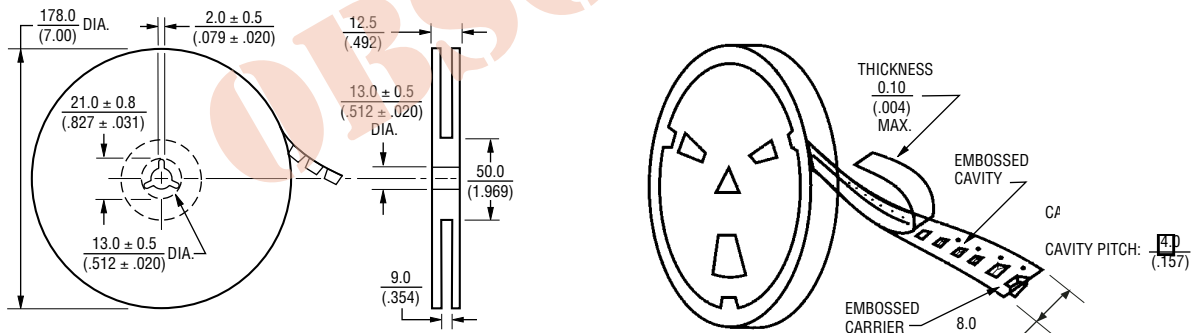


DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

Recommended Soldering



Reel Dimensions



3000 pcs. per reel.
Gross weight: 140g.

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[NCB-H0805A102TR150F](#) [NCB0402P300TR030F](#) [NCB0402P601TR030F](#) [NCB-H0603R121TR300F](#) [NCB-H0805A220TR600F](#)
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