



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



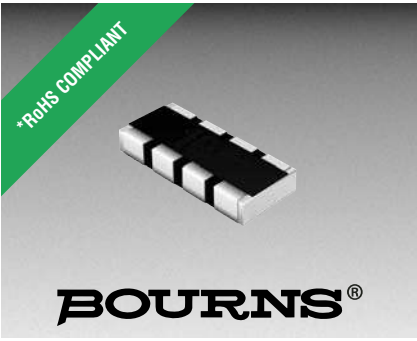
## Contact us

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**Features**

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

The MA Series is currently available but 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

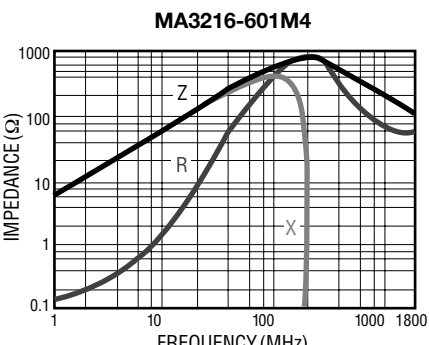
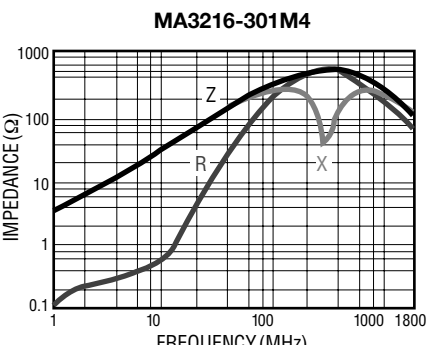
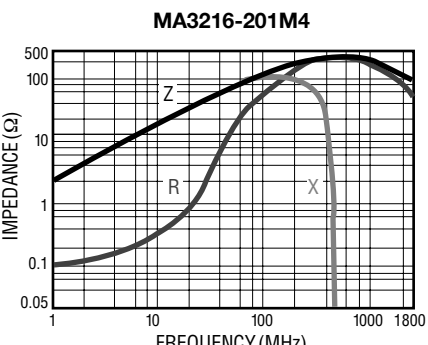
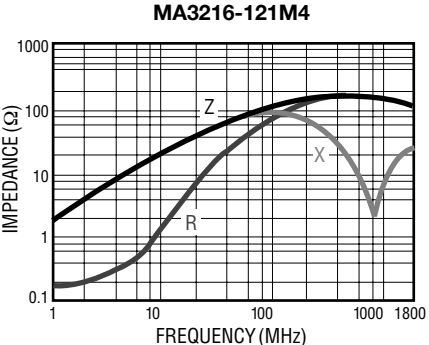
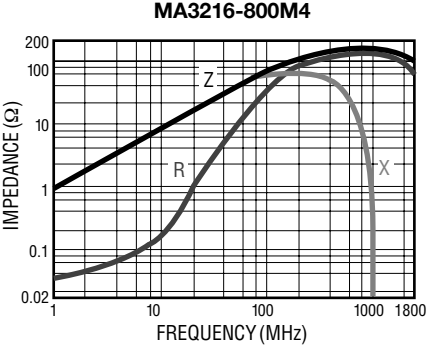
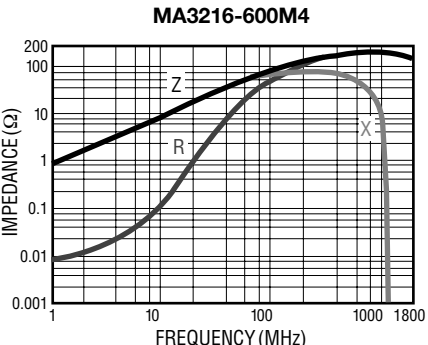
**General Specifications**

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 Soldering .....230 °C, 10 seconds max.  
 Resistance to Soldering Heat .....260 °C, 10 seconds  
 Model Designator  
 M4 .....High Impedance  
 T4 .....Low Speed  
 S4 .....High Speed  
 Rated Current.....Based on max. temperature rise of +40 °C  
 Terminal Strength (Force "F" applied for 30 seconds)  
 3216 Series.....1.2 F (Kg)

**Materials**

Core Material .....Ferrite  
 Internal Conductor.....Ag  
 Terminal .....Ag/Ni/Sn

**Electrical Specifications (continued)**

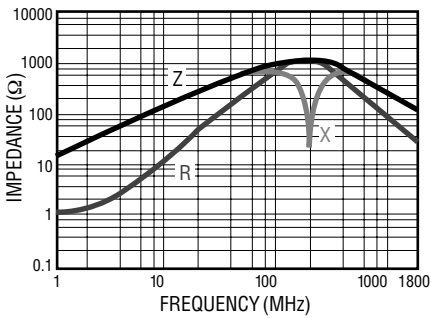


\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
 Specifications are subject to change without notice.  
 The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over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

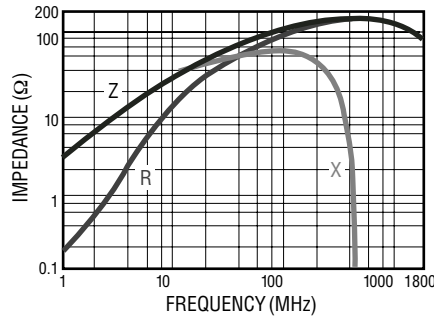
# MA Series Chip Ferrite Bead Arrays

## Electrical Specifications (Continued)

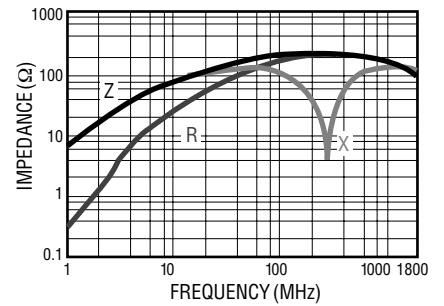
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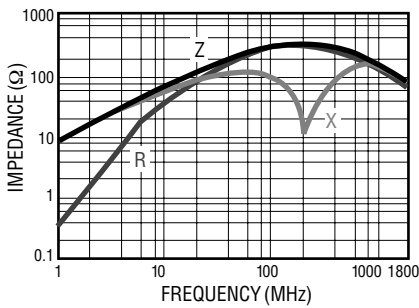
**MA3216-121T4**



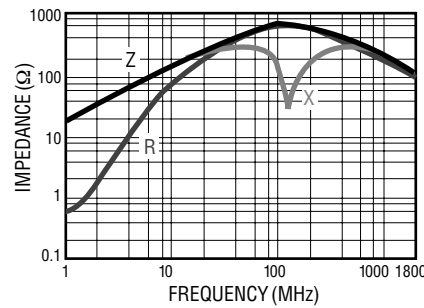
**MA3216-201T4**



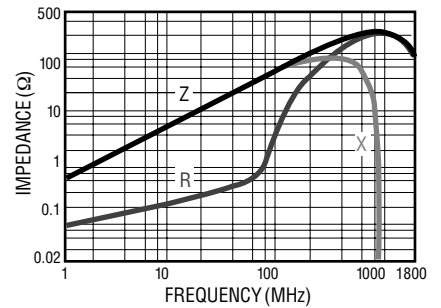
**MA3216-301T4**



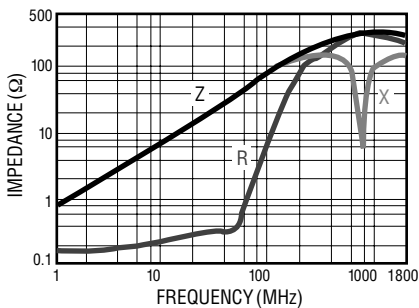
**MA3216-601T4**



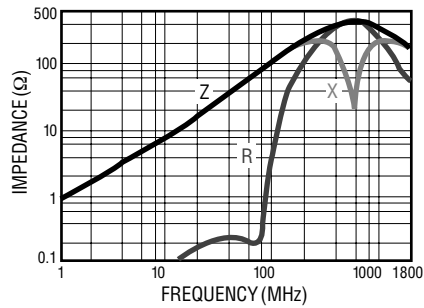
**MA3216-500S4**



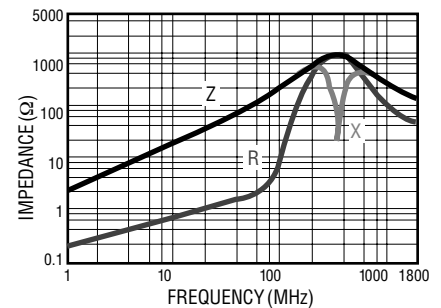
**MA3216-800S4**



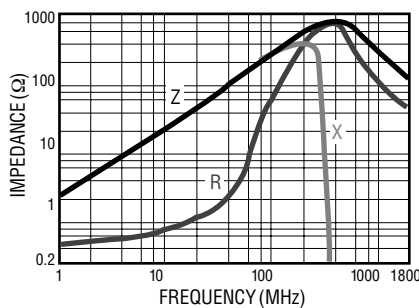
**MA3216-121S4**



**MA3216-201S4**



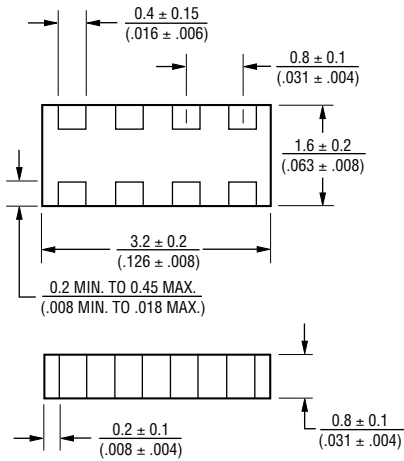
**MA3216-301S4**



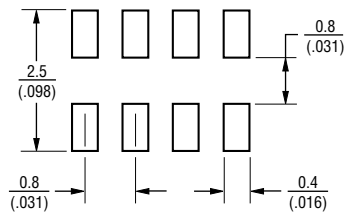
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# MA Series Chip Ferrite Bead Arrays

## Product Dimensions

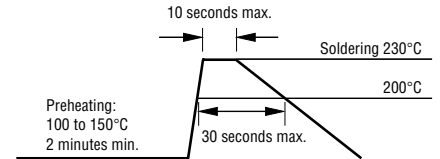


## Recommended Land Pattern



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

## Recommended Soldering



## Reel Dimensions

