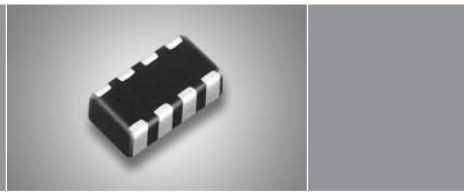


# Chip Ferrite Bead Array

## M4A-S Series



### ► Features

- Combines 4 single 1608 (EIA 0603) chips into one package 3216 (EIA 1206) to reduce board space and placement time.
- The 0.8mm terminal pitch makes easy to apply EMI prevention in multiple-lines such as connectors and IC pins.
- Material and construction design minimize cross talk between adjacent circuits.
- Effective filtering capability over a wide range of frequency.

### ► Applications

Filtering between analog and digital circuitry, clock generation circuitry, I/O interconnects, isolation between RF noisy circuits and logic devices susceptible to functional degradation, power supply filtering to prevent conducted RF energy from corrupting the power generation circuitry, high frequency EMI prevention of computer, printers, VCRs, TVs and portable telephones.

### ► How to Order

**M4A** **3216** **S** **12** **1** **E** **B** **—**

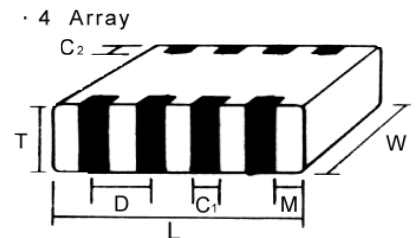
1            2            3            4            5            6            7            8

- Series type : M4A-Ferrite Bead Array
- Size(mm) : Length x Width
- Product Characteristics : S - For Standard Application
- Impedance ( $\Omega$ )/ $\pm 25\%$     ] ex.:  $60\Omega \rightarrow 600$ ;  $120\Omega \rightarrow 121$
- Fixed Decimal Point    ]
- Rated current:  
A=50mA, B=80mA, C=100mA, D=150mA, E=200mA, F=300mA  
G=400mA, H=500mA, I=600mA, J=700mA, K=800mA
- Soldering: Green Parts: A—Soldering Lead-Free, B—Lead-Free for whole chip
- Packaging: E—Embossed plastic tape, 7" reel  
N—Embossed anti-static electricity tape, 7" reel  
T—Embossed anti-static electricity tape, 13" reel

### ► Dimensions

Unit:mm

| Size (EIA) | 3216 (1206)     |
|------------|-----------------|
| L          | 3.20 $\pm$ 0.20 |
| W          | 1.60 $\pm$ 0.20 |
| T          | 0.80 $\pm$ 0.10 |
| C1         | 0.45 $\pm$ 0.15 |
| C2         | 0.30 $\pm$ 0.20 |
| D          | 0.80 $\pm$ 0.10 |



### ► Specifications

| Part Number   | Impedance ( $\Omega$ )<br>+/-25% | Test Freq.<br>(MHz) | Dcr<br>( $\Omega$ )Max | Rated Current<br>(mA) |
|---------------|----------------------------------|---------------------|------------------------|-----------------------|
| M4A3216S600F_ | 60                               | 100                 | 0.12                   | 300                   |
| M4A3216S121E_ | 120                              | 100                 | 0.20                   | 200                   |
| M4A3216S301E_ | 300                              | 100                 | 0.40                   | 200                   |
| M4A3216S601C_ | 600                              | 100                 | 0.60                   | 100                   |
| M4A3216S102A_ | 1000                             | 100                 | 0.80                   | 50                    |

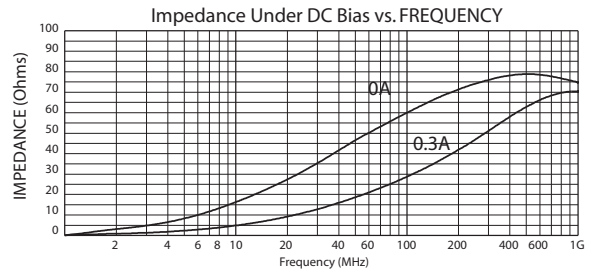
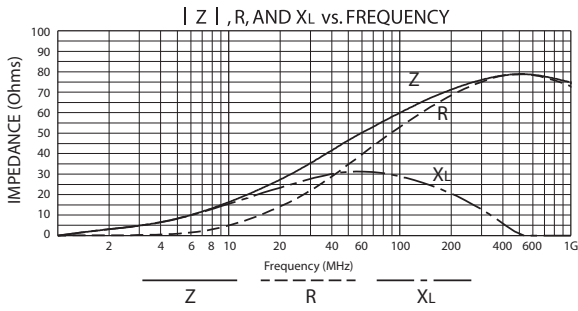
### ► General Technical Data

|                             |                           |
|-----------------------------|---------------------------|
| Operating temperature range | -55°C ~ +125°C            |
| Storage condition           | -40°C ~ +85°C, 70% RH Max |
| Soldering method            | Reflow or Wave Soldering  |

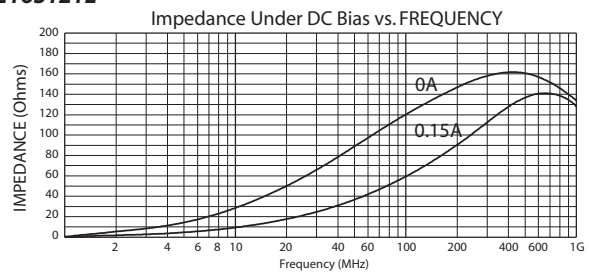
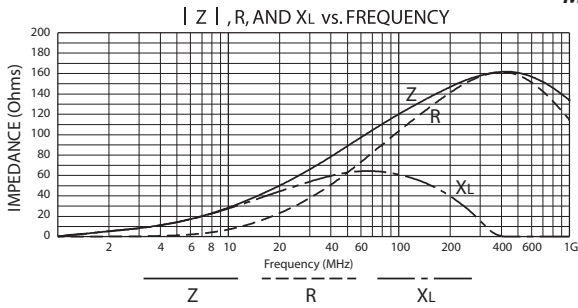
# Chip Ferrite Bead Array-M4A-S Series

## Impedance vs. Frequency

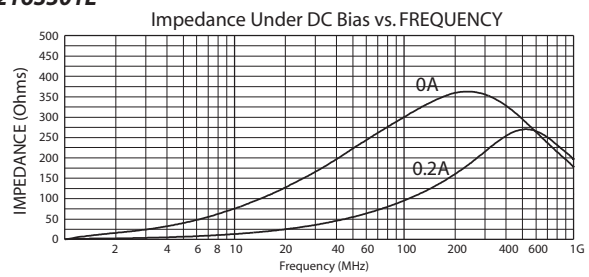
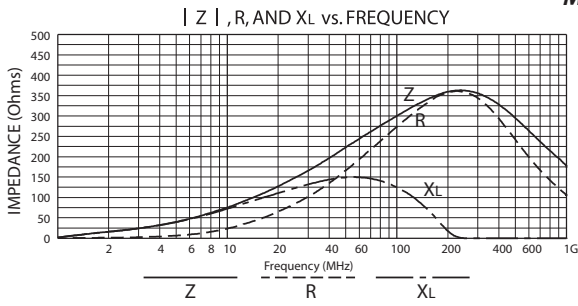
**M4A3216S600F**



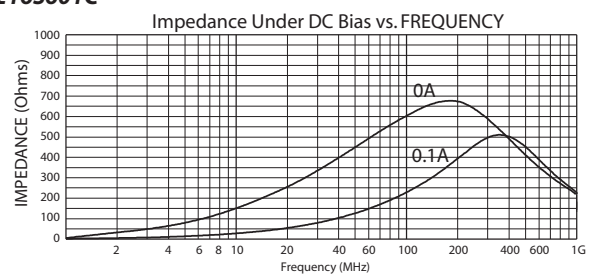
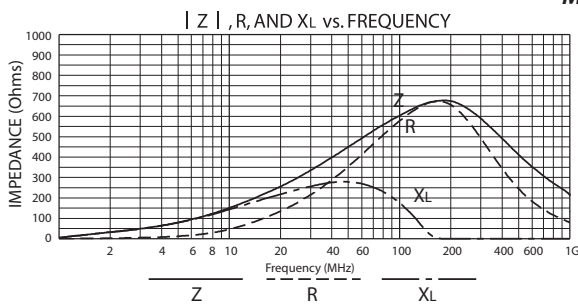
**M4A3216S121E**



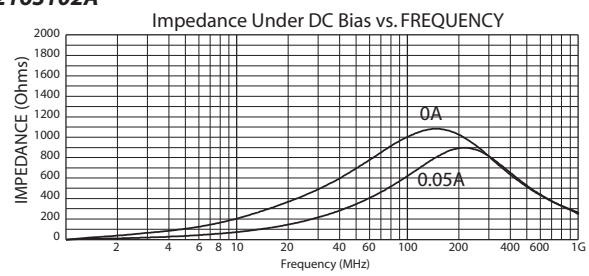
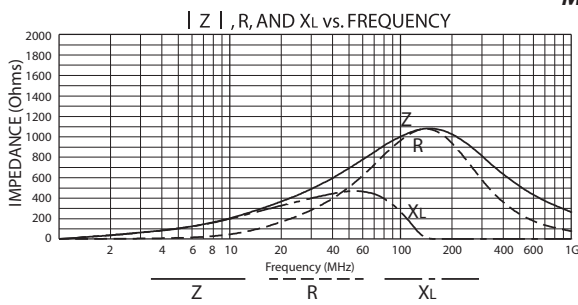
**M4A3216S301E**



**M4A3216S601C**



**M4A3216S102A**



## Package

Standard packing quantity : 3,000pcs/reel