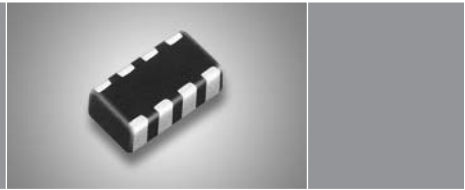


Chip Ferrite Bead Array For High Speed M4A-H Series



► 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.
- With a sharp and high frequency impedance characteristics which can effectively filter high frequency noise without attenuating high frequency signal.

► 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. Sharp impedance characteristics can effectively minimize attenuation, high frequency EMI prevention of LCD monitor, PDA, Computers, Computer Peripherals, Cellular Equipment, Digital TV, Digital Cameras, Audio/Video Equipment, DVD, Wireless Communication Devices, MP3.

► How to Order

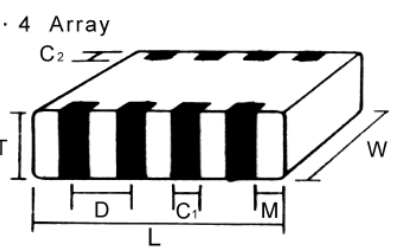
M4A 3216 H 12 1 D B —
1 2 3 4 5 6 7 8

- 1 Series type : M4A-Ferrite Bead Array
- 2 Size(mm) : Length x Width
- 3 Product Characteristics: H—For High Speed Application
- 4 Impedance (Ω)/ $\pm 25\%$] ex.: $60\Omega \rightarrow 600$; $120\Omega \rightarrow 121$
- 5 Fixed Decimal Point]
- 6 Rated current:
 A=50mA, B=80mA, C=100mA, D=150mA, E=200mA, F=300mA
 G=400mA, H=500mA, I=600mA, J=700mA, K=800mA
- 7 Soldering: Green Parts: A—Soldering Lead-Free, B—Lead-Free for whole chip
- 8 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 (Ω) +/-25%	Test Freq. (MHz)	DCR (Ω) Max	Rated Current (mA)
M4A3216H121D_	120	100	0.30	150
M4A3216H221D_	220	100	0.40	150
M4A3216H241D_	240	100	0.40	150
M4A3216H301D_	300	100	0.40	150

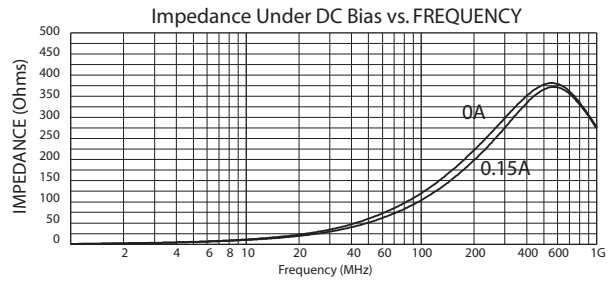
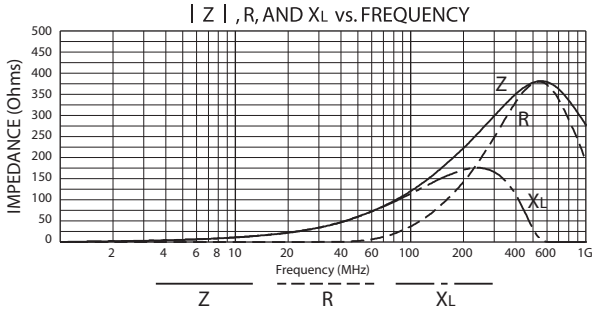
Chip Ferrite Bead Array For High Speed-M4A-H Series

General Technical Data

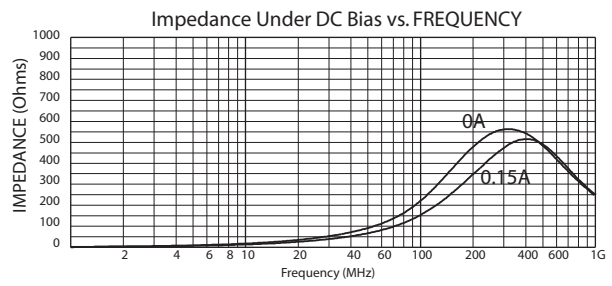
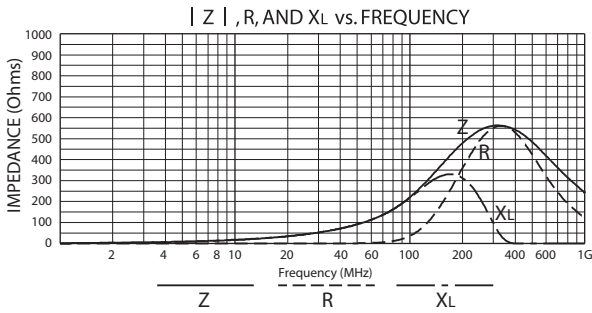
Operating temperature range	-55°C ~ +125°C
Storage condition	-40°C ~ +85°C, 70% RH Max
Soldering method	Reflow or Wave Soldering

Impedance vs. Frequency

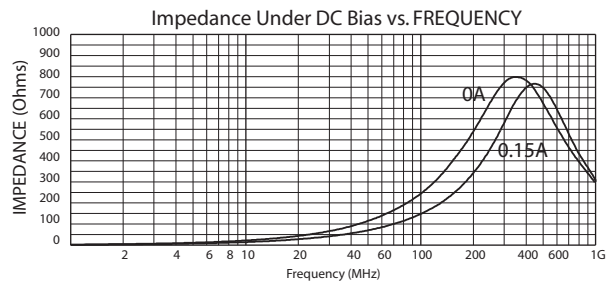
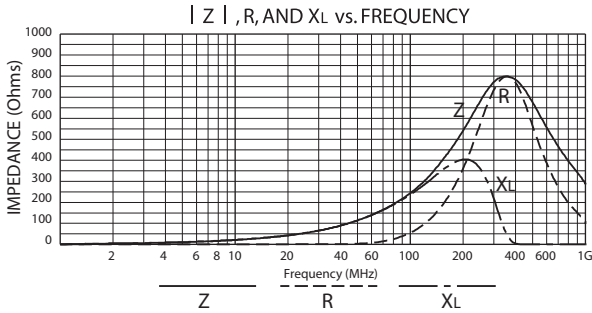
M4A3216H121D



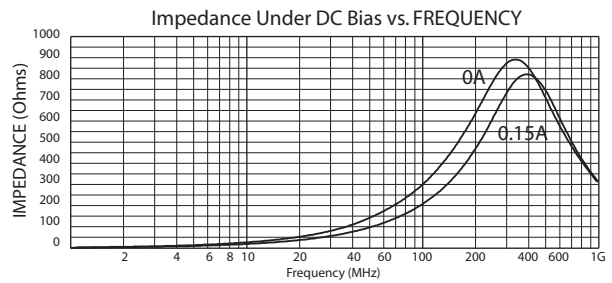
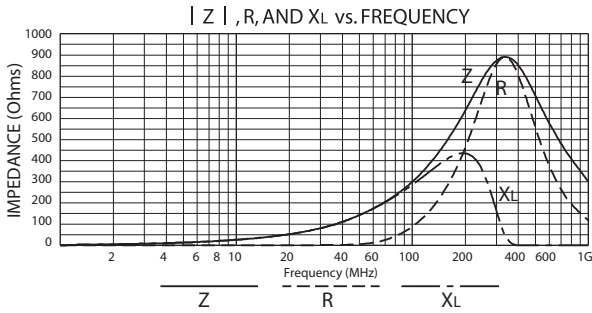
M4A3216H221D



M4A3216H241D



M4A3216H301D



Package

Standard packing quantity : 3,000pcs/reel