

### 4 Line Array Ferrite Chip Bead

#### Application Field

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 computers, printers, VCRs, TVs and portable telephones.

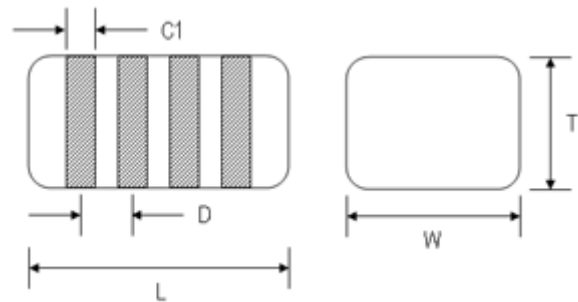
#### Features

Combines 4 single 1608(0603) chips into one package 3216(1206) to reduce board space, and placement time 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.

#### Directions

- ◎ Impedance Range : 30 to 1000 Ohms @ 100MHz
- ◎ Operating Temperature Range : -55°C to +125°C
- ◎ Soldering Method : Reflow or Wave Soldering
- ◎ Packaging Method : Tape & Reel (per EIA Specifications)
- ◎ Storage Temperature : -40°C to +85°C , 70% RH Max

#### Dimensions and footprint (Unit : mm)



Unit : mm(inches)

Size	Length(L)	Width(W)	Thickness(T)	Terminal Conductor(C1)	D
M4A-3216	3.20±0.200 (0.126±0.008)	1.60±0.200 (0.063±0.008)	0.80±0.100 (0.031±0.004)	0.45±0.150 (0.017±0.006)	0.80±0.100 (0.031±0.004)

#### Product Detail

Electrical Characteristics			Test Instruments
Z	(Ref. Page 7~10)	TEST FREQ : (Ref. Page 7~10)MHz TEST LEVEL : 250 mV	HP4291B RF IMPEDANCE / MATERIAL ANALYZER HP4338A/B MILLIOHM METER Agilent 8720ES S-PARAMETER NETWORK ANALYZER HP6632B SYSTEM DC POWER SUPPLY
θ	NA		
SRF	NA		
DCR	(Ref. Page 7~10)		
IDC	mA (Ref. Page 7~10)		

Part Number Code

M4A - 3216 S - 120  
 1 2 3 4

- 1、Product Code
- 2、Dimensions Code
- 3、Series Type : S = For Standard Speed、H = For High Speed
- 4、Impedance( $\Omega$ )

Specification

Part No.	Impedance $\pm 25\%(\Omega)$	Test. Freq. (MHz)	DCR Max. ( $\Omega$ )	Rated Current (mA)	Signal Speed
M4A-3216S-0030	30	100	0.40	350	Standard
M4A-3216S-0060	60	100	0.40	250	
M4A-3216S-0120	120	100	0.80	150	
M4A-3216S-0240	240	100	0.80	150	
M4A-3216S-0300	300	100	0.80	150	
M4A-3216S-0470	470	100	1.00	100	
M4A-3216S-0600	600	100	1.50	100	
M4A-3216S-1000	1000	100	1.70	50	

Part No.	Impedance $\pm 25\%$	Test. Freq. (MHz)	DCR Max. ( $\Omega$ )	Rated Current (mA)	Signal Speed
M4A-3216H-0060	60	100	0.80	150	High
M4A-3216H-0120	120	100	0.80	150	
M4A-3216H-0220	220	100	0.80	150	
M4A-3216H-0470	470	100	1.00	150	
M4A-3216H-0600	600	100	1.50	100	