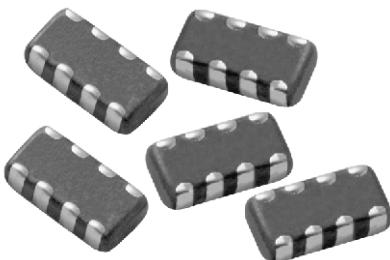


## Chip Array Ferrite Beads



### MECHANICAL SPECIFICATIONS

**Solderability:** 90 % coverage after 5 s dip in 235 °C solder following 60 s preheat at 120 °C to 150 °C and type R flux dip

**Resistance to Solder Heat:** 10 s in 260 °C solder, after preheat and flux per above

**Terminal Strength:** 1.2 kg (2.64 lbs) minimum for 30 s

**Beam Strength:** 2.0 kg (4.4 lbs) minimum

**Flex:** 0.079" [2 mm] min. mounted on 0.063" [1.6 mm] thick PC board

STANDARD ELECTRICAL SPECIFICATIONS			
$Z$ $\pm 25\%$ AT 100 MHz ( $\Omega$ )	DCR MAX. ( $\Omega$ )	RATED DC CURRENT (mA)	SIGNAL SPEED
60	0.12	300	
120	0.2	150	
300	0.4	100	Standard
600	0.6	100	
1000	0.8	50	

### FEATURES

- Combines four single 0603 chips into one package to reduce board space and placement time
- Highly effective in high density applications
- 0.031" [0.8 mm] terminal pitch makes it easy to apply EMI prevention in multiple-lines such as connectors and IC pins
- Material and construction design minimize crosstalk between adjacent circuits
- Compliant to RoHS directive 2002/95/EC


**RoHS**  
COMPLIANT

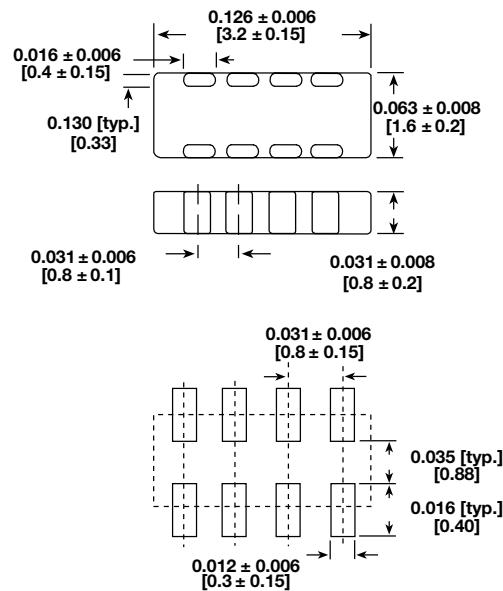
### ENVIRONMENTAL SPECIFICATIONS

**Operating Temperature:** - 55 °C to + 125 °C

**Thermal Shock:** 300 cycles, - 40 °C to + 125 °C

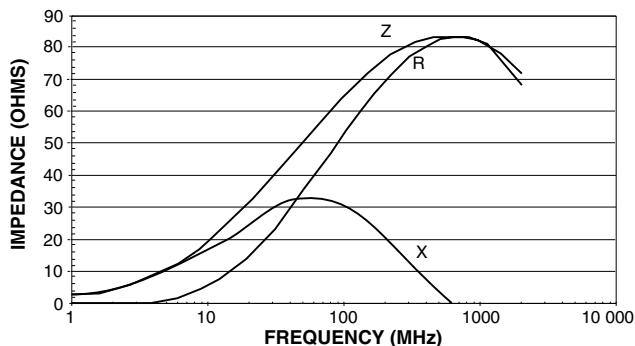
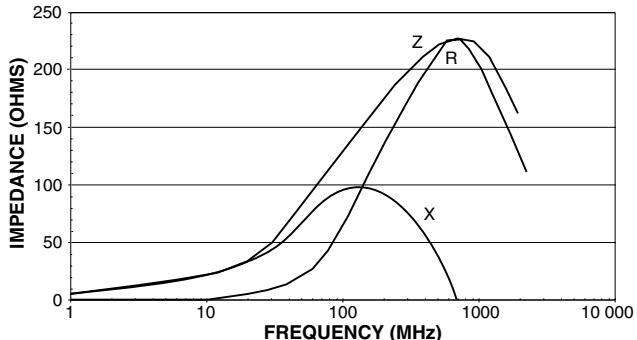
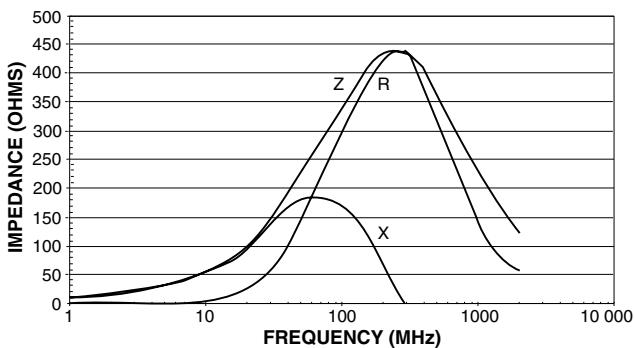
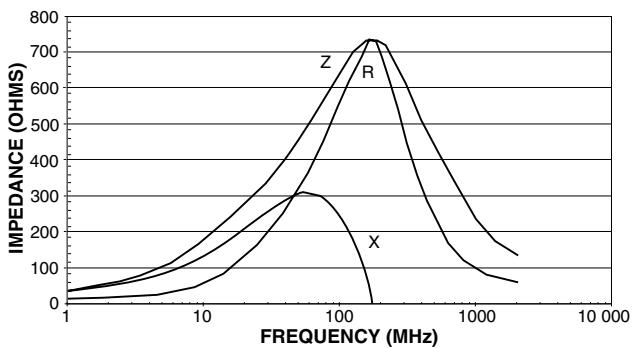
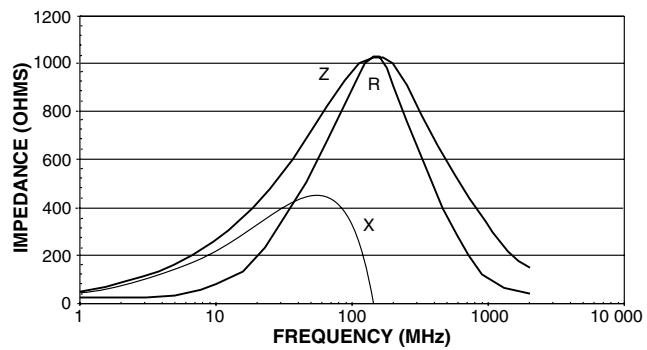
**Biased Humidity:** 85 % RH at 85 °C, 1000 h at full rated current

### DIMENSIONS in inches [millimeters]



DESCRIPTION				
MODEL	120	$\pm 25\%$	ER	e3
	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER				
PRODUCT FAMILY	SIZE	PACKAGE CODE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE
I L A S	1 2 0 6	E R	1 2 1	V

**TYPICAL CURVES** - Frequency Characteristics of R, X, and Z
ILAS-1206 60  $\Omega$ ILAS-1206 120  $\Omega$ ILAS-1206 300  $\Omega$ ILAS-1206 600  $\Omega$ ILAS-1206 1000  $\Omega$ 

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