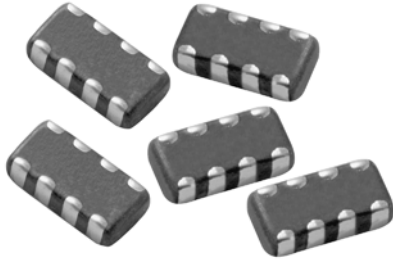


## Chip Array Ferrite Beads


**RoHS**  
COMPLIANT

### 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
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

### 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

### ENVIRONMENTAL SPECIFICATIONS

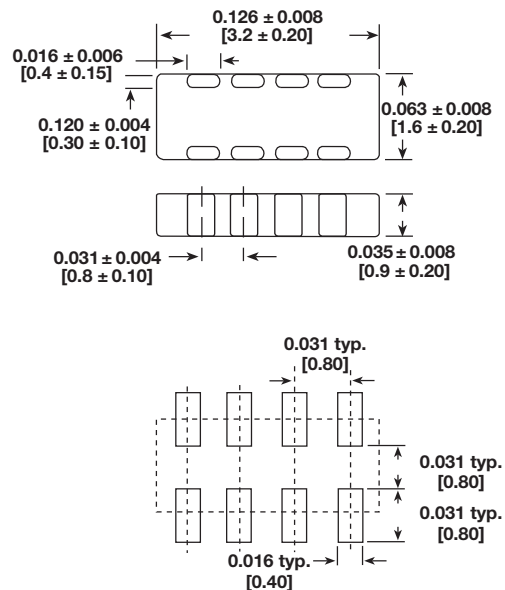
**Operating temperature:** -55 °C to +125 °C

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

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

STANDARD ELECTRICAL SPECIFICATIONS			
Z ± 25 % AT 100 MHz (Ω)	DCR MAX. (Ω)	RATED DC CURRENT (mA)	SIGNAL SPEED
60	0.25	400	Standard
120	0.30	350	
300	0.40	250	
600	0.50	200	
1000	0.75	150	

### DIMENSIONS in inches [millimeters]



### DESCRIPTION

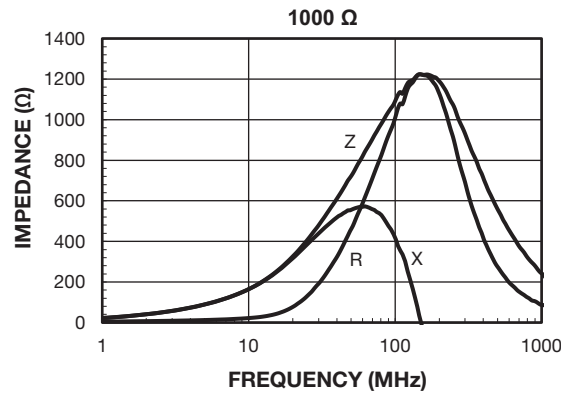
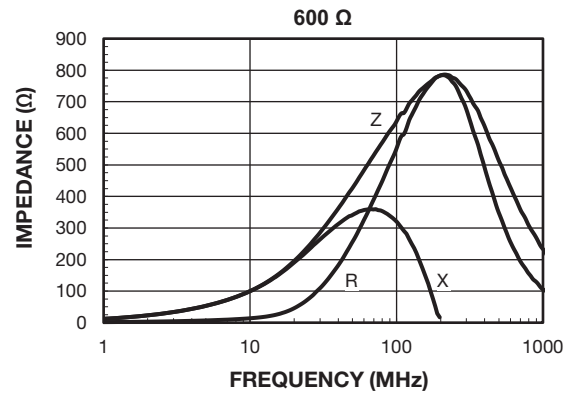
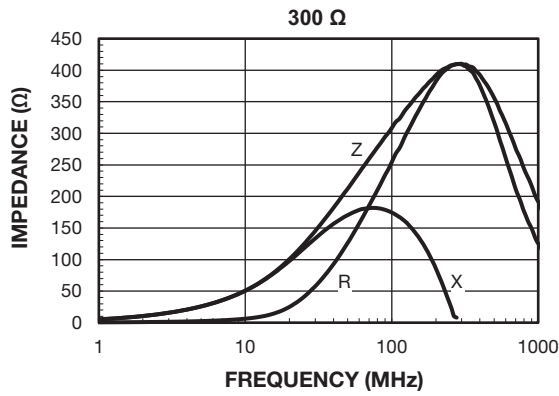
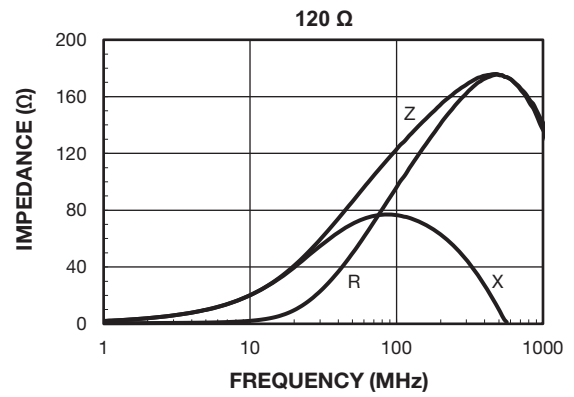
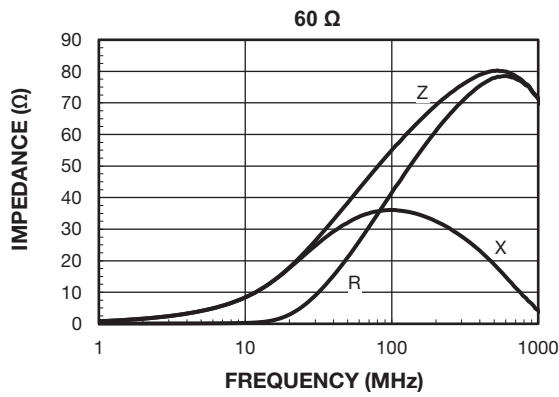
ILAS-1206	120	± 25 %	ER	e3
MODEL	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

### GLOBAL PART NUMBER

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



**TYPICAL CURVES** - Frequency Characteristics of R, X, and Z





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