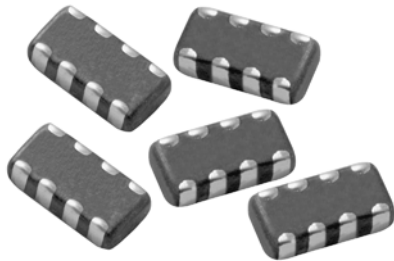


## Chip Array Ferrite Beads



### 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)



**RoHS**  
COMPLIANT

### 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

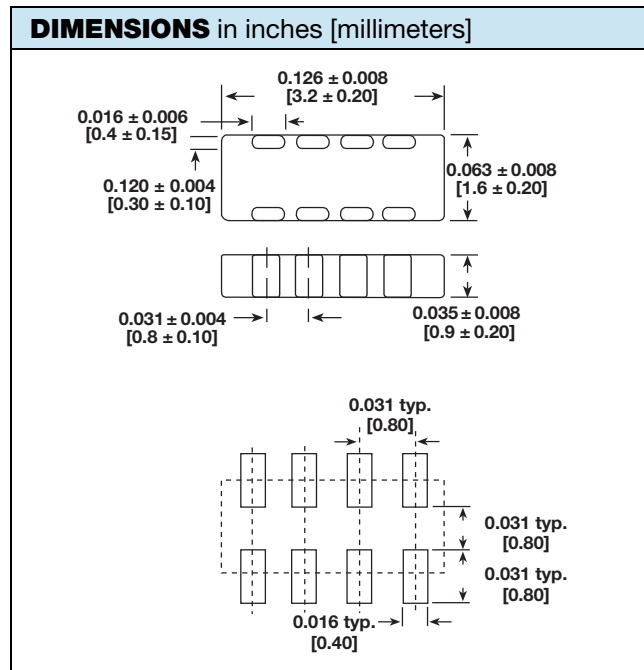
### ENVIRONMENTAL SPECIFICATIONS

**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<br>± 25 % AT 100 MHz<br>(Ω)      | DCR<br>MAX.<br>(Ω) | RATED<br>DC CURRENT<br>(mA) | SIGNAL<br>SPEED |
| 60                                 | 0.25               | 400                         | Standard        |
| 120                                | 0.30               | 350                         |                 |
| 300                                | 0.40               | 250                         |                 |
| 600                                | 0.50               | 200                         |                 |
| 1000                               | 0.75               | 150                         |                 |

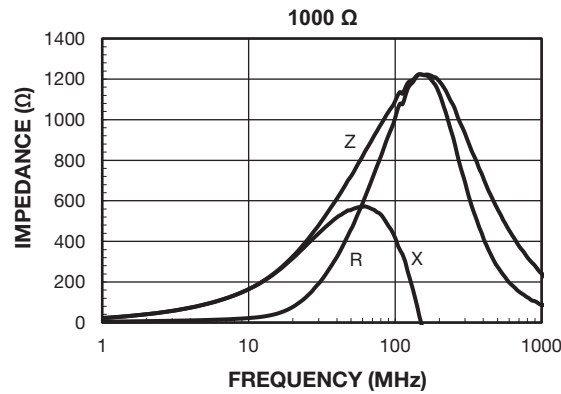
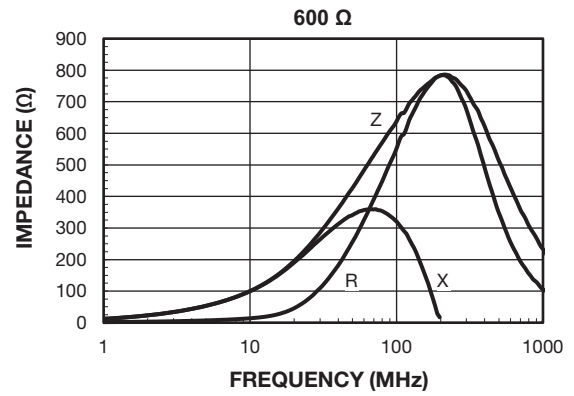
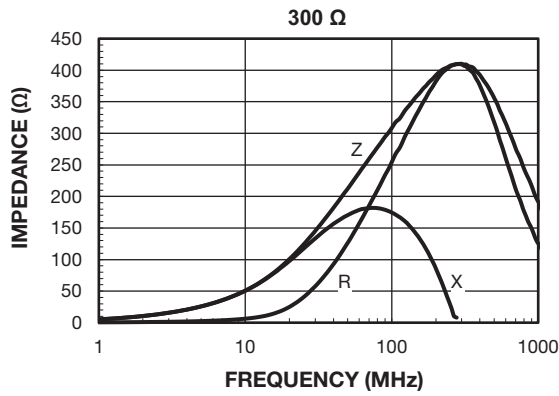
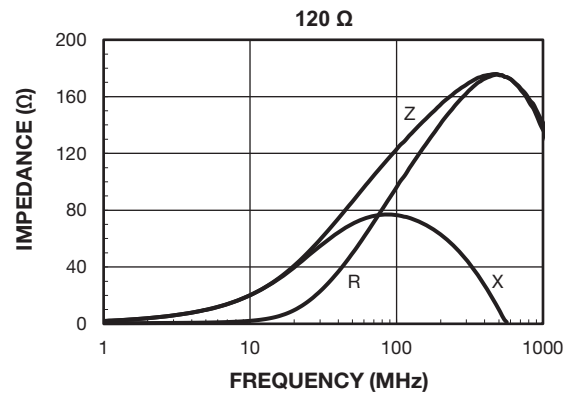
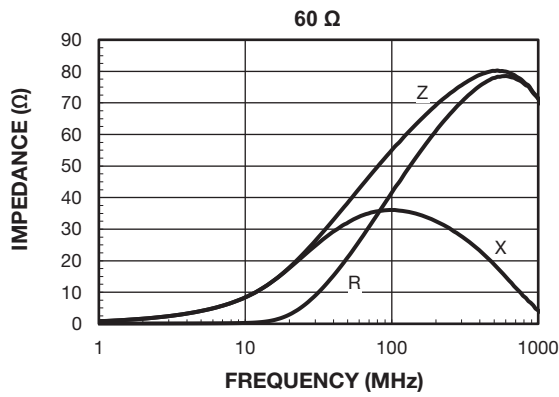


| DESCRIPTION |                 |                     |              |                                |
|-------------|-----------------|---------------------|--------------|--------------------------------|
| ILAS-1206   | 120             | ± 25 %              | ER           | e3                             |
| 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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