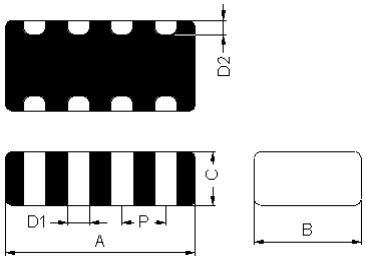
Ferrite Chip Bead Array(Lead Free)

FCA3216KV4-Series

1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. Suitable for reflow soldering.
4. Shapes and dimensions follow E.I.A. spec.
5. Available in various sizes.
6. Excellent solder ability and heat resistance.
7. High reliability. Reliability test meet AEC-Q200.
8. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
9. Low DC resistance structure of electrode to prevent wasteful electric power consumption.
10. Operating Temperature:-55~+150℃(Including self-temperature rise)

2. Dimensions



Chip Size						
Size	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	P(mm)
3216	3.2±0.2	1.6±0.2	0.9±0.2	0.4±0.15	0.3±0.1	0.8±0.1

3. Part Numbering

FCA	3216	KV4	-	300	T	05
A	B	C		D	E	F

A: Series
B: Dimension L x W
C: Material Lead Free Material V=Vehicle
D: Impedance 300=30Ω
E: Packaging T=Taping and Reel , B=Bulk(Bags)
F: Rated Current 05=500mA

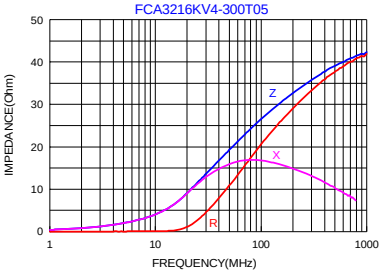
4.Specification

Tai-Tech Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCA3216KV4-300T05	30±25%	100	0.20	500
FCA3216KV4-600T04	60±25%	100	0.25	400
FCA3216KV4-121T03	120±25%	100	0.30	350
FCA3216KV4-301T02	300±25%	100	0.40	250
FCA3216KV4-601T02	600±25%	100	0.50	200
FCA3216KV4-102T01	1000±25%	100	0.75	150

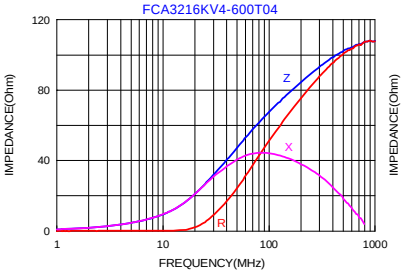
- Rated current: based on temperature rise test
- In compliance with EIA 595

Impedance Frequency Characteristics(Typical)

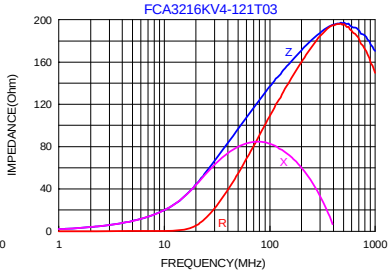
FCA3216KV4-300T05



FCA3216KV4-600T04



FCA3216KV4-121T03



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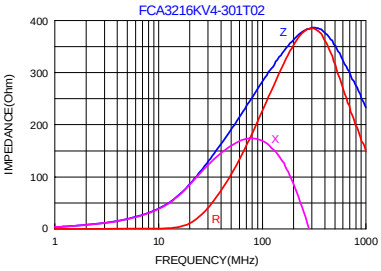

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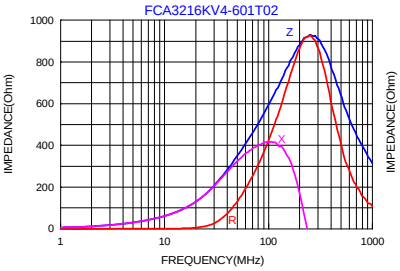
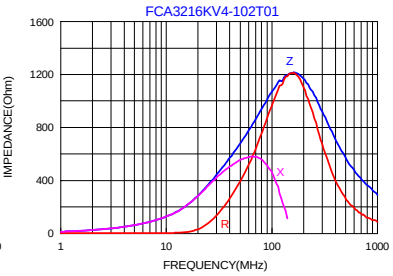
FCA3216KV4-102T01