

Ferrite Chip Inductor(Lead Free)

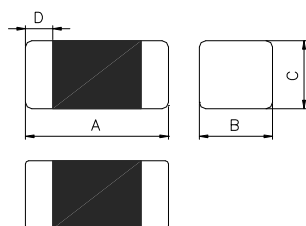
FCI3216V-Series

Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. S.M.T. type.
4. Suitable for reflow soldering.
5. Shapes and dimensions follow E.I.A. spec.
6. Available in various sizes.
7. Excellent solder ability and heat resistance.
8. High reliability. Reliability test meet AEC-Q200.
9. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
10. Operating Temperature: -55~+125℃ (Including self-temperature)



Dimensions



Chip Size	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.30
D	0.50±0.30

Units: mm

Part Numbering

FCI
3216
V
-
1R0
K

A: Series
 B: Dimension L x W
 C: Category Code V=Vehicle
 D: Inductance 1R0=1.0uH
 E: Inductance Tolerance K=±10%, L=±15%, M=±20%

Specification

Tai-Tech Part Number	Inductance (uH)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
FCI3216V-1R0□	1.0	45	10	100	0.40	75
FCI3216V-2R2□	2.2	45	10	50	0.60	50
FCI3216V-4R7□	4.7	45	10	50	0.90	35
FCI3216V-100□	10.0	50	2	25	1.00	24

□ : K=±10%, L=±15%, M=±20%

Q vs Frequency,DC Bias Characteristics(Typical)