

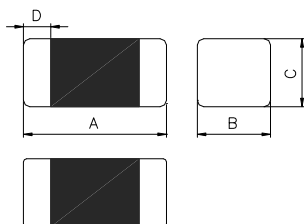
Features

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°C (Including self-temperature



Certificate
of
Green Partner

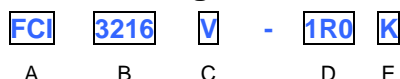
Dimensions



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



- 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-47N□	0.047	20	50	300	0.15	320
FCI3216V-68N□	0.068	20	50	300	0.25	280
FCI3216V-R10□	0.10	20	25	250	0.25	235
FCI3216V-R12□	0.12	20	25	250	0.30	220
FCI3216V-R15□	0.15	20	25	250	0.30	200
FCI3216V-R18□	0.18	20	25	250	0.40	185
FCI3216V-R22□	0.22	20	25	250	0.40	170
FCI3216V-R27□	0.27	20	25	250	0.50	150
FCI3216V-R33□	0.33	20	25	250	0.50	145
FCI3216V-R39□	0.39	25	25	250	0.60	135
FCI3216V-R47□	0.47	25	25	200	0.60	125
FCI3216V-R56□	0.56	25	25	200	0.70	115
FCI3216V-R68□	0.68	25	25	150	0.80	105
FCI3216V-R82□	0.82	25	25	150	0.90	100
FCI3216V-1R0□	1.0	45	10	100	0.40	75
FCI3216V-1R2□	1.2	45	10	100	0.50	65
FCI3216V-1R5□	1.5	45	10	50	0.50	60
FCI3216V-2R2□	2.2	45	10	50	0.60	50
FCI3216V-3R3□	3.3	45	10	50	0.70	41
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)

