

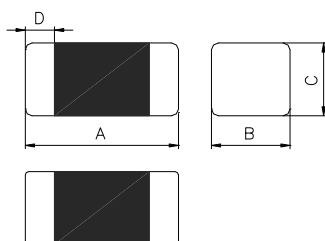
## 1. Features

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.
9. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
10. Operating Temperature:-55~+105°C (Including self-temperature rise)



Certificate  
of  
Green Partner

## 2. Dimensions



Chip Size	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

## 3. Part Numbering

FCI 1005 F - 1R0 K  
A B C D E

A: Series

B: Dimension

C: Material

D: Inductance

E: Inductance Tolerance

L x W

Lead Free Material

1R0=1.0 uH

K=±10%, L=±15%, M=±20%

## 4. Specification

Tai-Tech Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	uH	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI1005F-1R0□	1.00	60mV / 10M	20	10	15	0.90	40
FCI1005F-1R8□	1.80	60mV / 10M	20	10	15	1.45	30
FCI1005F-2R2□	2.20	60mV / 10M	20	10	10	1.70	28

NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%

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

**Q vs Frequency,DC Bias Characteristics(Typical)**

