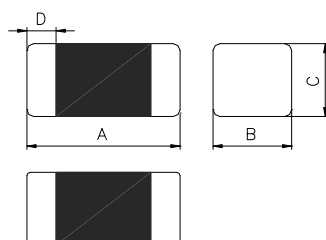


## 1. Features

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~+125°C (Including self-temperature rise)



## 2. Dimensions



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

Units: mm

## 3. Part Numbering

|     |      |    |   |     |   |    |
|-----|------|----|---|-----|---|----|
| FCM | 3216 | KF | - | 121 | T | 09 |
| A   | B    | C  |   | D   | E | F  |

A: Series  
 B: Dimension  
 C: Material  
 D: Impedance  
 E: Packaging  
 F: Rated Current

L x W  
 Lead Free Material  
 121=120Ω  
 T=Taping and Reel, B=Bulk(Bags)  
 09=900mA

## 4. Specification

| Tai-Tech Part Number | Impedance (Ω) | Test Frequency (MHz) | DC Resistance (Ω) max. | Rated Current (mA) max. |
|----------------------|---------------|----------------------|------------------------|-------------------------|
| FCM3216KF-260T05     | 26±25%        | 100                  | 0.20                   | 500                     |
| FCM3216KF-310T05     | 31±25%        | 100                  | 0.20                   | 500                     |
| FCM3216KF-420T05     | 42±25%        | 100                  | 0.20                   | 500                     |
| FCM3216KF-500T05     | 50±25%        | 100                  | 0.20                   | 500                     |
| FCM3216KF-700T05     | 70±25%        | 100                  | 0.20                   | 500                     |
| FCM3216KF-900T05     | 90±25%        | 100                  | 0.20                   | 500                     |
| FCM3216KF-121T09     | 120±25%       | 100                  | 0.15                   | 900                     |
| FCM3216KF-151T09     | 150±25%       | 100                  | 0.15                   | 900                     |
| FCM3216KF-201T06     | 200±25%       | 100                  | 0.35                   | 600                     |
| FCM3216KF-221T07     | 220±25%       | 100                  | 0.35                   | 700                     |
| FCM3216KF-301T07     | 300±25%       | 100                  | 0.35                   | 700                     |
| FCM3216KF-471T04     | 470±25%       | 100                  | 0.35                   | 400                     |
| FCM3216KF-601T04     | 600±25%       | 100                  | 0.40                   | 400                     |

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

## Impedance Frequency Characteristics(Typical)

