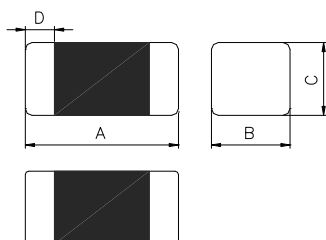


## Features

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 solderability and heat resistance.
8. High reliability. Reliability test meet AEC-Q200.
9. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
10. Operating Temperature: -55~+150°C (Including self-temperature rise)



## Dimensions



| Chip Size |           |
|-----------|-----------|
| A         | 1.60±0.15 |
| B         | 0.80±0.15 |
| C         | 0.80±0.15 |
| D         | 0.30±0.20 |

Units: mm

## Part Numbering



|                  |                                 |
|------------------|---------------------------------|
| A: Series        |                                 |
| B: Dimension     | L x W                           |
| C: Material      | Lead Free Material              |
| D: Category Code | V=Vehicle                       |
| E: Impedance     | 600=60Ω                         |
| F: Packaging     | T=Taping and Reel, B=Bulk(Bags) |
| G: Rated Current | 07=700mA                        |

## Specification

| Tai-Tech Part Number | Impedance (Ω) | Test Frequency (MHz) | DC Resistance (Ω) max. | Rated Current (mA) max. |
|----------------------|---------------|----------------------|------------------------|-------------------------|
| FCM1608KV-300T07     | 30±25%        | 100                  | 0.20                   | 700                     |
| FCM1608KV-600T07     | 60±25%        | 100                  | 0.20                   | 700                     |
| FCM1608KV-121T06     | 120±25%       | 100                  | 0.25                   | 600                     |
| FCM1608KV-151T06     | 150±25%       | 100                  | 0.25                   | 600                     |
| FCM1608KV-221T05     | 220±25%       | 100                  | 0.30                   | 550                     |
| FCM1608KV-301T05     | 300±25%       | 100                  | 0.35                   | 500                     |
| FCM1608KV-471T03     | 470±25%       | 100                  | 0.45                   | 350                     |
| FCM1608KV-601T03     | 600±25%       | 100                  | 0.50                   | 350                     |
| FCM1608KV-102T02     | 1000±25%      | 100                  | 0.70                   | 200                     |
| FCM1608HV-152T02     | 1500±25%      | 100                  | 1.00                   | 200                     |
| FCM1608HV-202T01     | 2000±25%      | 100                  | 1.20                   | 150                     |

**TAI-TECH**

| Tai-Tech Part Number | Impedance ( $\Omega$ ) | Test Frequency (MHz) | DC Resistance ( $\Omega$ ) max. | Rated Current (mA) max. |
|----------------------|------------------------|----------------------|---------------------------------|-------------------------|
| FCM1608CV-100T07     | 10 $\pm$ 25%           | 100                  | 0.20                            | 700                     |
| FCM1608CV-300T06     | 30 $\pm$ 25%           | 100                  | 0.25                            | 600                     |
| FCM1608CV-600T06     | 60 $\pm$ 25%           | 100                  | 0.30                            | 600                     |
| FCM1608CV-121T03     | 120 $\pm$ 25%          | 100                  | 0.40                            | 300                     |
| FCM1608CV-221T02     | 220 $\pm$ 25%          | 100                  | 0.60                            | 250                     |
| FCM1608CV-301T02     | 300 $\pm$ 25%          | 100                  | 0.80                            | 200                     |

## Impedance Frequency Characteristics(Typical)

