

# PRODUCT SPECIFICATION AEC-Q200

SPEC. NO.

T-0602-206C



## 1. Scope

This specification applies ferrite Chip common mode filters CMF2012H3C-Series for automotive Electronics based on AEC-Q200 except for Power train and Safety.

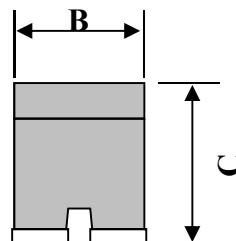
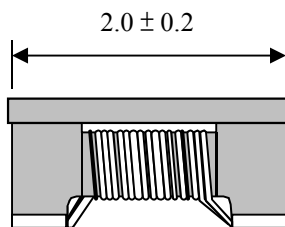
## 2. Product Identification

CMF 2012 H3C- 900 - 2P - T

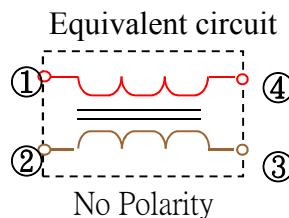
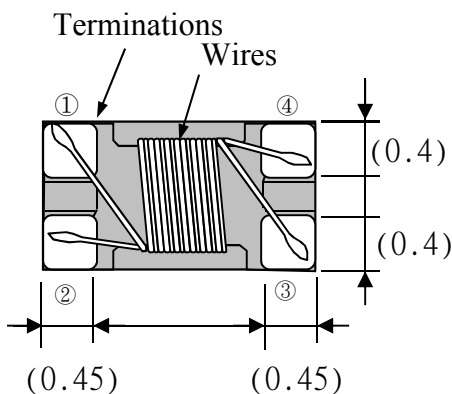
(1) (2) (3) (4) (5) (6)

- (1) Product name
- (2) Shapes and dimensions
- (3) Automotive
- (4) Impedance 【 at 100MHz】  
65min. (90typ.)
- (5) Number of Line  
2P:2-Line
- (6) Taping Type

## 3. Shapes and Dimensions [Dimensions in mm]



A :  $2.0 \pm 0.2$   
 B :  $1.2 \pm 0.2$   
 C :  $1.2 \pm 0.2$



Drawn by	Checked by	Approved by
Cindy May. 4. 2021	Zheny May. 4. 2021	Shu May. 4. 2021

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## 4. Electrical Characterisitics

### 4-1 Electrical Spec.

Our Product Part Number	Common-Mode Impedance Z( $\Omega$ ) at 100MHz	DC Resistance Rdc( $\Omega$ ) Max.	Rated Current Idc(mA) Max.	Rated Voltage Vdc(V)	Withstanding Voltage Vdc(V)	Cut-off Frequency (GHz)Typ.	Insulation Resistance (M $\Omega$ )Min.
CMF2012H3C-670-2P-T	67 $\pm$ 25%	0.24	320	50	125	6	10
CMF2012H3C-900-2P-T	65min. (90typ.)	0.30	280	50	125	6	10
CMF2012H3C-121-2P-T	120 $\pm$ 25%	0.30	280	50	125	5	10

1. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max.
2. Keep the temperature ambient temperature plus self-generation of heat under 125°C