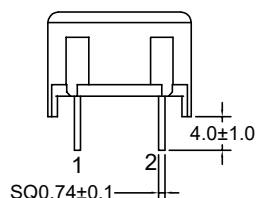


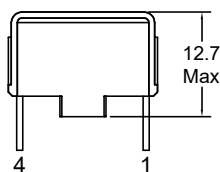
P/N: FACM12H-601Y2R5



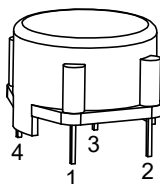
## Outline Dimensions(Unit:mm)



Orthographic view



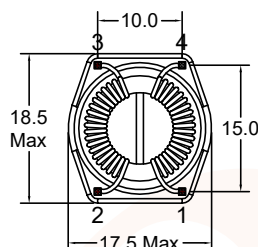
Side view



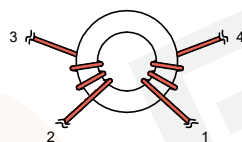
Stereogram



Top view

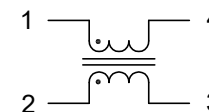


Bottom view

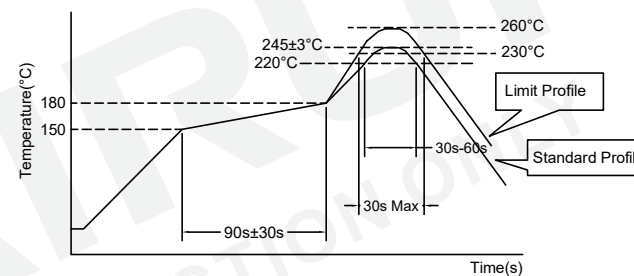


Winding Construction

## Electronical Schematic



## Recommended Soldering Temperature Graph.



|                  | Standard Profile    | Standard Profile    |
|------------------|---------------------|---------------------|
| Pre-heating      | 150~180°C,90s±30s   |                     |
| Heating          | above 220°C,30s-60s | above 240°C,30s Max |
| Peak temperature | 245°C±3°C           | 260°C,10s           |
| Cycle of reflow  | 2 times             | 2 times             |

## Electrical Characteristics(at 25°C)

Inductance : L1-4=2-3= 0.6mH +50%/-30%,at 10KHz,0.1V.

Leakage Inductance: L1-4&2-3= 8uH Typ.

Rated current: 2.50Amps.

D.C.Resistance : 1-4= 0.060 ohms Typ.

2-3= 0.060 ohms Typ.

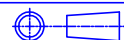
Turns Ratio : Coil:Coil= 1:1±2%,at 20KHz,1V.

Hipot : Coil-Coil : 1500VAC/5mA/2Second.

## List of UL Certificate:

| Part Name   | Mat'l Description       | Supplier                                  | UL Number |
|-------------|-------------------------|-------------------------------------------|-----------|
| Case        | EB17-003/PA66(orange)   | Zhejiang Juner New Materials Co Ltd       | E204321   |
| Copper wire | 2UEW-F/155C             | Elektrisola Hangzhou Co Ltd               | E258243   |
| Core        | Ferrite core(orange)    | Su Zhou Tian Ming Magnetic                | N/A       |
| Epoxy       | 808A-R-B(red soft glue) | Dong Guan Shi Pai Hua Chuang Material Fty | E304477   |
| Spacer      | 0.50mm/FR-4             | Kingboard Laminates Holdings Ltd          | E123995   |

Tianchang Fuan Electronic Co Ltd  
www.fuantronics.net  
TEL: +86-550-7814888  
FAX: +86-550-7831133



Tolerances unless otherwise specified:  
(.X)±0.50 (XX)±0.25  
Unit of measurement: mm

Make: Qiumei.Liu

Checked: Beson. zhan

Approved: Anson. zhan

**DRAWING TITLE**  
CURRENT-COMPENSATED RING  
CORE DOUBLE CHOKES

Material Number: A31CM012S350

Customer P/N:

Document/Rev: 00

Specification Sheet: 1 of 1

Date of Recognition: Jan./02/2020

| REV | DESCRIPTION | APPD | DATE |
|-----|-------------|------|------|
|-----|-------------|------|------|