P/N: FACM16V1-172Y2R5

RoHS

PAIRUI
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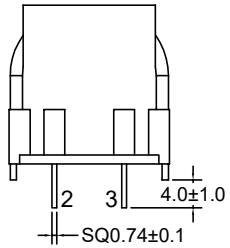
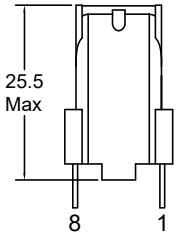
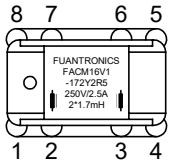
Outline Dimensions(Unit:mm)



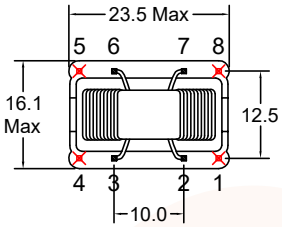
Orthographic view



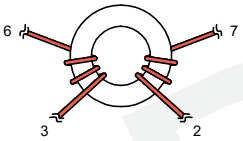
Side view



Top view



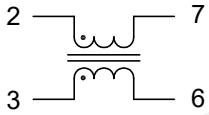
Bottom view



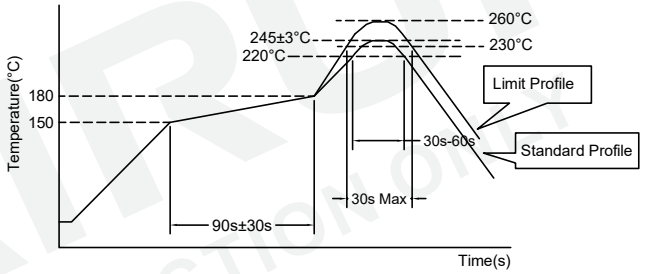
Winding Construction

Remarks:
1. Remove pin1,4,5,8.

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 : L2-7=3-6= 1.7mH +50%/-30%,at 10KHz,0.1V.
Leakage Inductance: L2-7&3-6= 20uH Typ.
Rated current: 2.50Amps.
D.C.Resistance : 2-7= 0.080 ohms Typ.
3-6= 0.080 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	EB16-002/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	1.00mm/FR-4	Kingboard Laminates Holdings Ltd	E123995

REV	DESCRIPTION	APPD	DATE

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: A31CM016S120

Customer P/N:
Document/Rev: 00
Specification Sheet: 1 of 1
Date of Recognition: Jan./02/2020

PAIRUI SIMPLE SPEC FOR SELECTION