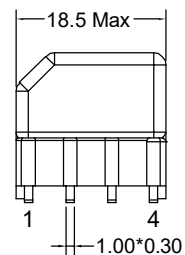
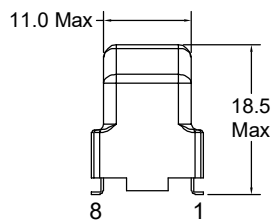


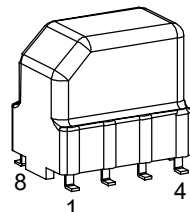
Outline Dimensions(Unit:mm)



Orthographic view



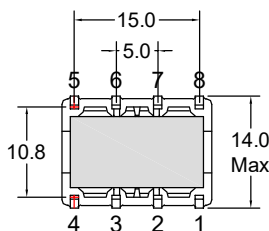
Side view



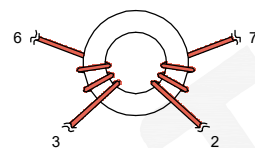
Stereogram



Top view



Bottom view



Winding Construction

Remarks:

- 1. Products need to be potted.

Electrical Characteristics(at 25°C)

Inductance : L2-7=3-6= 27mH +50%/-30%,at 10KHZ,0.1V.

Leakage Inductance: L2-7&3-6= 290uH Typ.

Rated current: 0.5Amps.

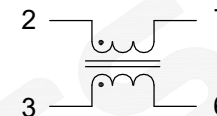
D.C.Resistance : 2-7= 1.40 ohms Typ.

3-6= 1.40 ohms Typ.

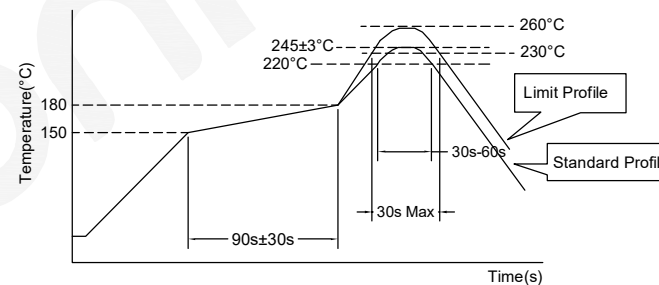
Turns Ratio : Coil:Coil= 1:1±2%,at 20KHZ,1V.

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

Electronical Schematic



Recommended Soldering Temperature Graph.

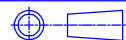


	Standard Profile	Standard Profile
Pre-heating	150~180°C,90s±30s	
Heating	above 220°C,30s-60s	above 240°C,30s Max
Peak temperature	245°C±3°C	260°C,10s
Cycle of reflow	2 times	

List of UL Certificate:

Part Name	Mat'l Description	Supplier	UL Number
Case	EB16-001S/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: A31CM012S1G0

Customer P/N:  
 Document/Rev: 00  
 Specification Sheet: 1 of 1  
 Date of Recognition: Nov./17/2023

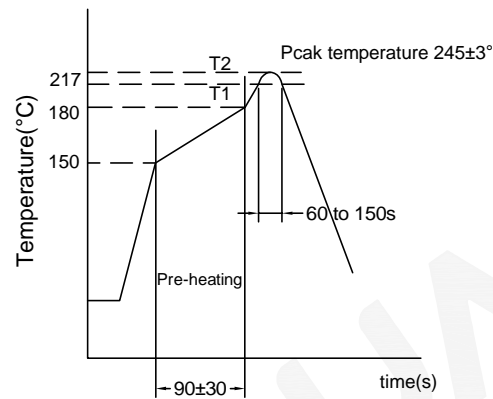
REV	DESCRIPTION	APPD	DATE





Ltem	Specified value	Test methods
Resistance to solvent test Reference documents: IEC 68-2-45:1993	No case deformation or change in appearance, or obliteration of marking	To dip parts into IPA solvent for 5±0.5Min, then drying them at room temp for 5 Min, at last, to brushing making 10 times.
Electronic characteristic test of major products	Refer to catalogue of specific products	Refer to catalogue of specific products
Overload test Reference documents:	1. During the test no smoke, no peculiar smell, no fire	Apply twice as rated current for 5 minutes.

Recommended solderability temperature profile:



Use rosin-based flux  
 Don't use high acidic flux with halide content exceeding 0.2(wt)% (chlorine conversion value).  
 Use lead-free solder, use Sn-3.0Ag-0.5Cu solder  
 Standard thickness of solder paste: 0.12-0.15mm

				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	<b>DRAWING TITLE</b> CURRENT-COMPENSATED RING CORE DOUBLE CHOKES Material Number:	Customer Name: Document/Rev: Specification Sheet: Date of Recognition:
REV	DESCRIPTION	APPD	DATE					