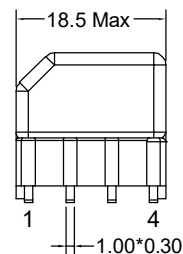
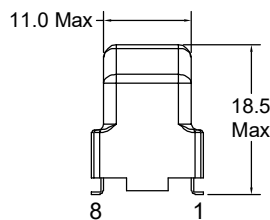




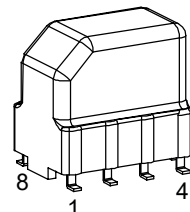
Outline Dimensions(Unit:mm)



Orthographic view



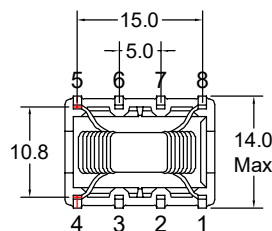
Side view



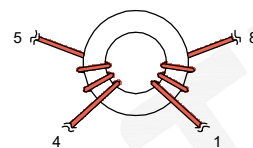
Stereogram



Top view

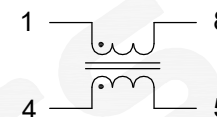


Bottom view

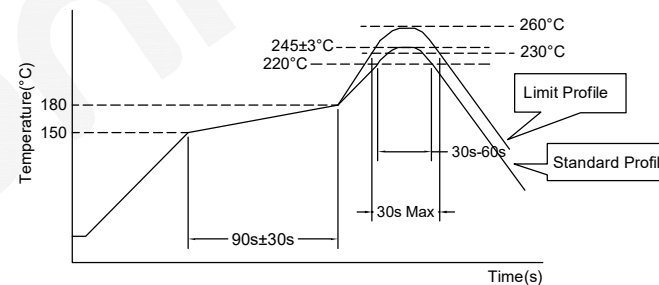


Winding Construction

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	

Electrical Characteristics(at 25°C)

Inductance : L1-8=4-5= 39mH +50%/-30%,at 10KHZ,0.1V.

Leakage Inductance: L1-8&4-5= 450uH Typ.

Rated current: 0.4Amps.

D.C.Resistance : 1-8= 2.00 ohms Typ.

4-5= 2.00 ohms Typ.

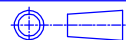
Turns Ratio : Coil:Coil= 1:1±2%,at 20KHZ,1V.

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

List of UL Certificate:

Part Name	Mat'l Description	Supplier	UL Number
Case	EB16-001S/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: A31CM012S920

Customer P/N:  
Document/Rev: 00  
Specification Sheet: 1 of 1  
Date of Recognition: Nov./18/2023

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					