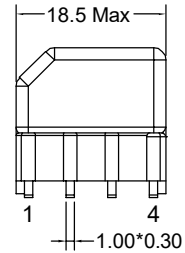
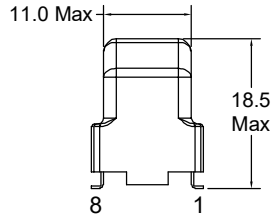


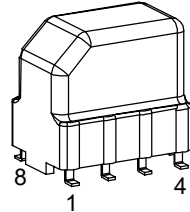
Outline Dimensions(Unit:mm)



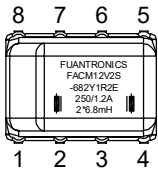
Orthographic view



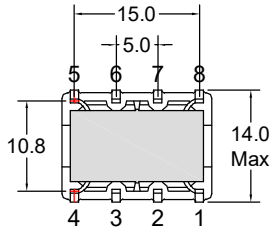
Side view



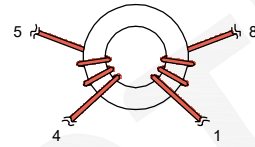
Stereogram



Top view



Bottom view



Winding Construction

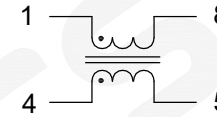
Remarks:

- 1. Products need to be potted.

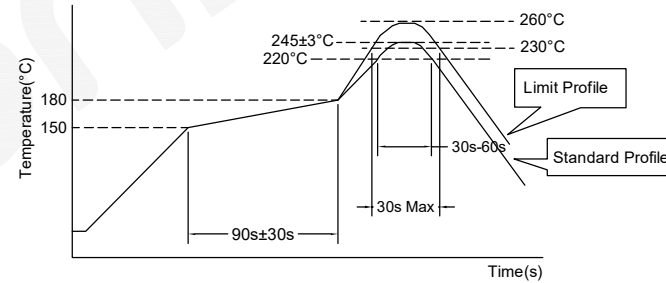
Electrical Characteristics(at 25°C)

Inductance : L1-8=4-5= 6.8mH +50%/-30%,at 10KHz,0.1V.
 Leakage Inductance: L1-8&4-5= 80uH Typ.
 Rated current: 1.20Amps.
 D.C.Resistance : 1-8= 0.280 ohms Typ.
 4-5= 0.280 ohms Typ.
 Turns Ratio : Coil:Coil= 1:1±2%,at 20KHz,1V.
 Hipot : Coil-Coil : 1500VAC/5mA/2Second.

Electrical 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

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		Make: Qiumei.Liu Checked: Beson. zhan Approved: Anson. zhan		DRAWING TITLE CURRENT-COMPENSATED RING CORE DOUBLE CHOKES Material Number: A31CM012S1Z0		Customer P/N: Document/Rev: 00 Specification Sheet: 1 of 1 Date of Recognition: Nov./18/2023	
REV	DESCRIPTION	APPD	DATE			Tolerances unless otherwise specified: (X)±0.50 (XX)±0.25 Unit of measurement: mm					



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

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REV	DESCRIPTION	APPD	DATE					