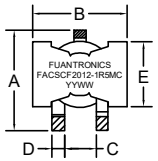
P/N: FACSCF2012-1R5MC

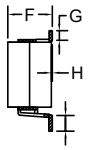
RoHS

PAIRUI
www.fuantronics.net

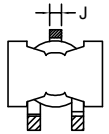
Outline Dimensions(Unit:mm)



Top view



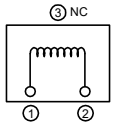
Side view



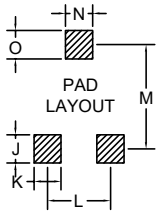
Bottom view

A	B	C	D	E	F	G	H	I	J
Max	Max	±0.60	±0.20	±0.50	Max	REF		±0.50	REF
22.5	21.8	7.00	2.50	14.0	12.0	2.00	0-0.15	2.50	2.50

Electronical Schematic



Suggested Pad layout



J	5.00 REF
K	5.00 REF
L	9.50 REF
M	19.3 REF
N	5.00 REF
O	5.00 REF

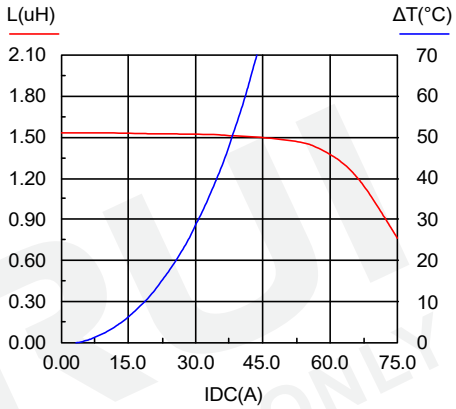
***Assemblage design, sturdy structure.
***High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance.
***Flat wire winding, achieve a low D.C. Resistance.
***Temperature rise current and saturation current is less influenced by environment.

Electrical Characteristics(@25°C)

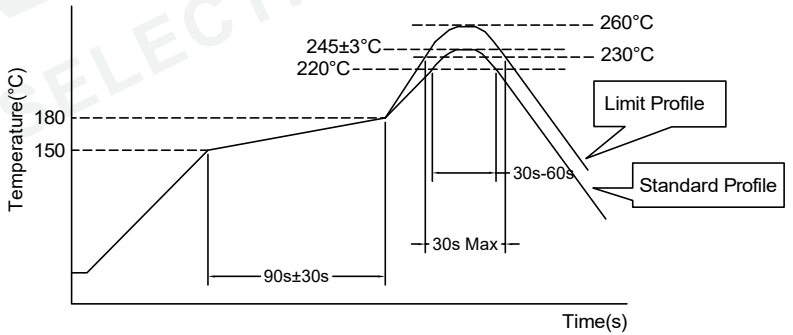
Inductance 100KHz,0.1V	DC Resistor	Saturated current 60A	Temperature rise current 35A
1.50uH±20%	1.60mΩ Max	L(60A)=80%*L0A Typ	T≤40°C Typ

***Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.
***Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).
***Operating Temperature: -40°C~+125°C. (Temperature rise included)
***Storage Temperature: -40°C~+125°C.
***Storage Humidity:RH10%~70%.

Saturation current VS temperature rise current curve:



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

REV	DESCRIPTION	APPD	DATE

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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
HIGH CURREENT
POWER INDUCTORS

Material Number: A342012XS030

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