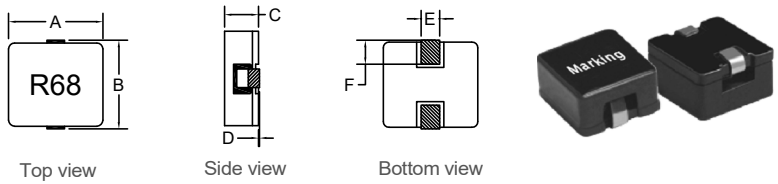
P/N: FACSB0640-R68M

RoHS

PAIRUI
www.fuantronics.net

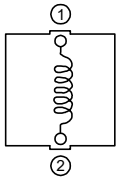
Outline Dimensions(Unit:mm)



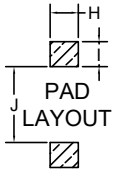
Top view Side view Bottom view

A	B	C	D	E	F
±0.30	±0.50	±0.30		±0.30	±0.30
6.90	7.00	3.80	0-0.2	1.20	1.80

Electronical Schematic



Suggested Pad layout



H	2.50 REF
I	2.50 REF
J	2.50 REF

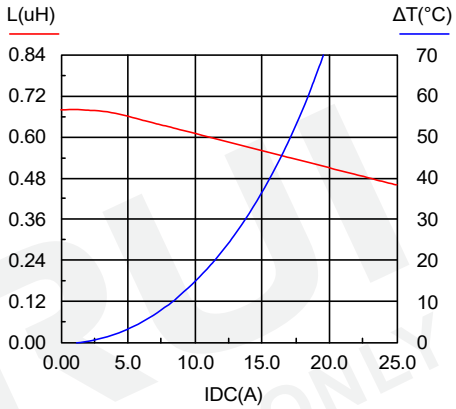
***Magnetic shielded structure: excellent resistance to electro magnetic interferenc(EMI).
***Flat wire winding, achieve a low D.C. Resistance.
***Low loss, high efficiency, wide application frequency and application scope.
***Lightweight design, save space, suitable for high density SMT.

Electrical Characteristics(@25°C)

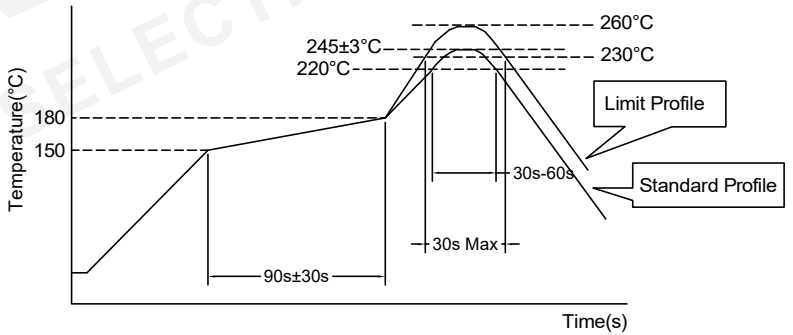
Inductance 100KHz,0.1V	DC Resistor	Saturated current 20A	Temperature rise current 17A
0.68uH±20%	3.40mΩ Max	L(20A)=70%*L0A Typ	T≤50°C Typ

***Saturation current: the actual value of DC current when the inductance decrease 30% of its initial value.
***Temperature rise current: the actual value of DC current when the temperature rise is ΔT50°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: A340640XS020

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