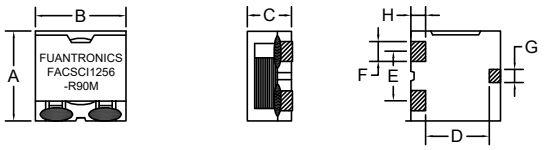
P/N: FACSCI1256-R90M

RoHS

PAIRUI
www.fuantronics.net

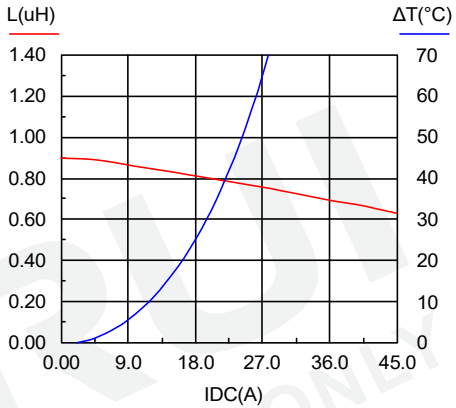
Outline Dimensions(Unit:mm)



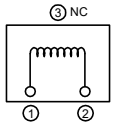
Top view Side view Bottom view

A	B	C	D	E	F	G	H
Max	±0.40	Max	REF	REF		REF	REF
13.5	12.5	5.60	9.00	6.90	2.0-2.6	2.60	2.00

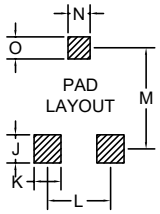
Saturation current VS temperature rise current curve:



Electronical Schematic



Suggested Pad layout



J	3.00 REF
K	3.00 REF
L	6.90 REF
M	11.1 REF
N	3.00 REF
O	2.80 REF

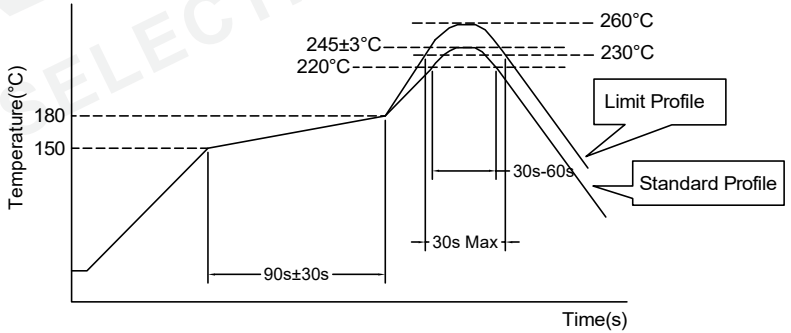
***Magnetic shielded structure: excellent resistance to electro magnetic interferenc(EMI).
***Assemblage design, sturdy structure.
***Small volume, high current, low magnetic loss, low ESR, small parasitic capacitance.
***Temperature rise current and saturation current is less influenced by environment.

Electrical Characteristics(@25°C)

Inductance 100KHz,0.1V	DC Resistor	Saturated current 28A	Temperature rise current 22A
0.90uH±20%	2.75mΩ Max	L(28A)=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%.

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: A341256XS070

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