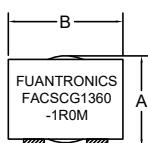


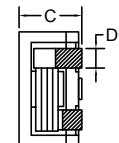
P/N: FACSCG1360-1R0M

RoHS

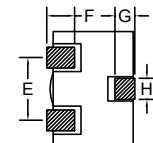
Outline Dimensions(Unit:mm)



Top view



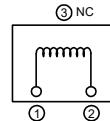
Side view



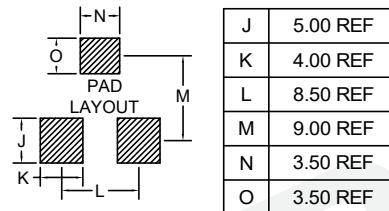
Bottom view



Electronical Schematic



Suggested Pad layout



***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 30A	Temperature rise current 24A
1.00uH±20%	1.80mΩ Max	L(30A)=80%*L0A Typ	T≤40°C Typ

***Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.

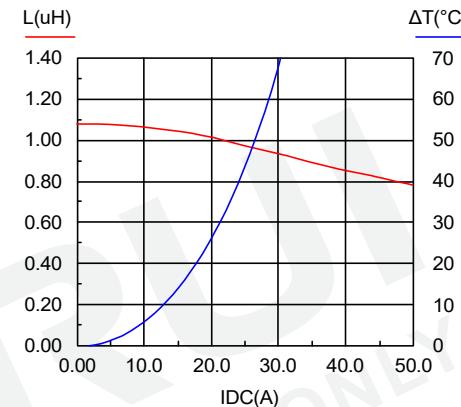
***Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).

***Operating Temperature: -40°C~+125°C.
(Temperature rise included)

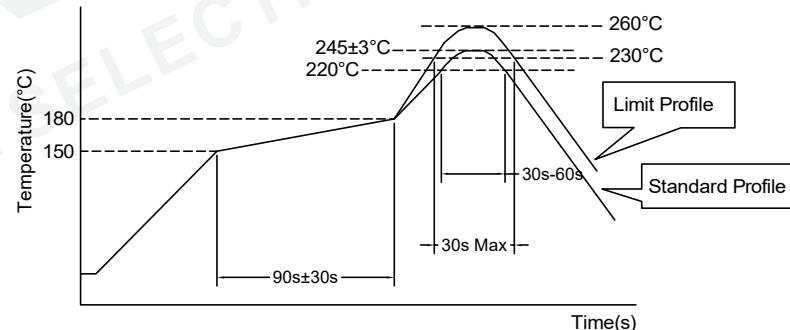
***Storage Temperature: -40°C~+125°C.

***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

				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 HIGH CURRENT POWER INDUCTORS	Customer Name:
REV	DESCRIPTION	APPD	DATE					Document/Rev: 00 Specification Sheet: 1 of 1 Material Number: A341360XS000 Date of Recognition: Jan./02/2020