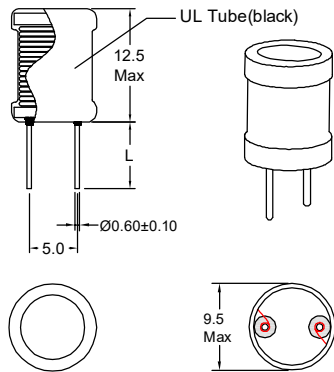


P/N: FALCHB0810-820K1R3-□

### Outline Dimensions(Unit:mm)



Pins Lead(L):

-5	5.00±1.0
-10	10.0±2.0
-15	15.0±3.0

FALCHB0810-820K1R3-5  
FALCHB0810-820K1R3-10  
FALCHB0810-820K1R3-15

REMARK:

1. Products need thermal shrinkable sleeve.

### Electronical Schematic



### Electrical Characteristics(@25°C)

Inductance 1KHz,0.3V	Lldc 1KHz,0.3V	Temp. 40°C	DC Resistor	Rated Current
82uH±10%	>90%*LOA	1350mA	160 mΩ Max	1300mA

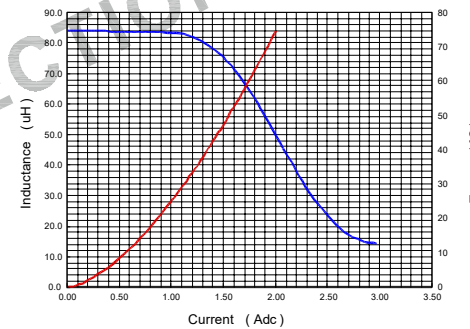
- \*\*\*Operating Temperature: -40°C~+125°C.  
(Temperature rise included)
- \*\*\*Storage Temperature : -40°C~+125°C.
- \*\*\*Storage Humidity:RH10%~70%.

### 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

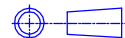
### Simulation test curve:



### Material list

Part Name	SPEC	Supplier	UL Number
Core	DR2W8*10(B=4)-MgZn	LiCheng Electronic(ZhangZhou) Co.,Ltd	N/A
Wire	2UEW-F/155°C	ShangDong Saint Electric Co.,Ltd	E194410
Tube	Heat shrinkable casing/125°C	Changyuan Electronics (Shenzhen) Co Ltd	E180908

Tianchang Fuan Electronic Co Ltd  
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TEL: +86-550-7814888  
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Tolerances unless otherwise specified:  
(X)±0.50 (XX)±0.25  
Unit of measurement: mm

Drawn: *June*  
Checked: *Benson*  
Approved: *AmSon*

**DRAWING TITLE**  
DR2W8\*10 RADIAL FILTER CHOKE  
Material Number:

Customer Name:  
Document/Rev: 2210034/00  
Specification Sheet: 1 of 1  
Date of Recognition: Oct./11/2022

REV	DESCRIPTION	APPD	DATE