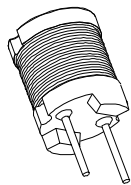
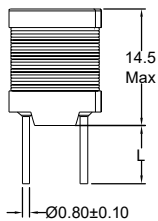


P/N: FALCH1014-270K4R5-

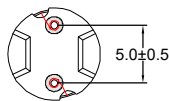
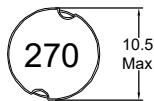
Outline Dimensions(Unit:mm)



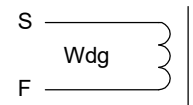
Pins Lead(L):

-5	5.00±1.0
-10	10.0±2.0
-15	15.0±3.0

FALCH1014-270K4R5-5
FALCH1014-270K4R5-10
FALCH1014-270K4R5-15



Electronical Schematic

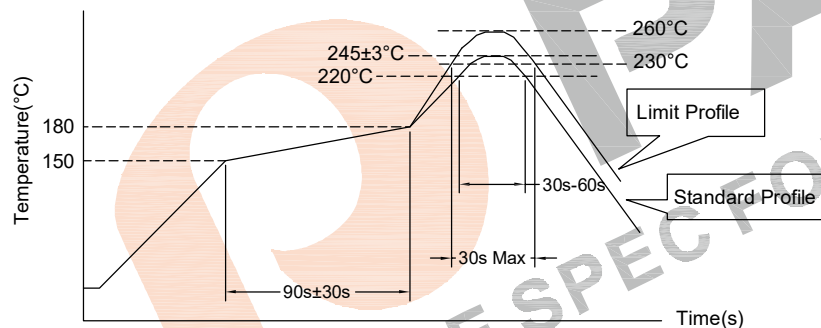


Electrical Characteristics(@25°C)

Inductance 1KHz,0.3V	DC Resistor	Temp. 40°C	Lldc: 1KHz,0.3V		
			10% drop	20% drop	30% drop
27uH±10%	35mΩ Max	4500mA	5500mA	6500mA	7500mA

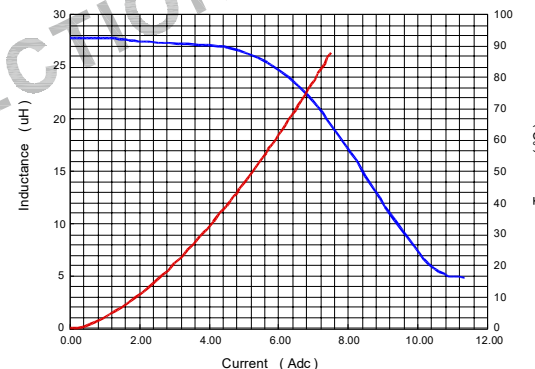
***Operating Temperature: -40°C~+125°C.
(Temperature rise included)
***Storage Temperature : -40°C~+125°C.
***Storage Humidity:RH10%~70%.

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

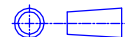
Simulation test curve:



Material list

Part Name	SPEC	Supplier	UL Number
Core	DR2W10*14RF(B=5.4)-NiZn	LiCheng Electronic(ZhangZhou) Co.,Ltd	N/A
Wire	2UEW-F/155°C	ShangDong Saint Electric Co.,Ltd	E194410

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

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

DRAWING TITLE
DR2W10*14RF RADIAL FILTER CHOKE
Material Number:

Customer Name:
Document/Rev: 2211221/00
Specification Sheet: 1 of 1
Date of Recognition: Nov./08/2022

REV	DESCRIPTION	APPD	DATE