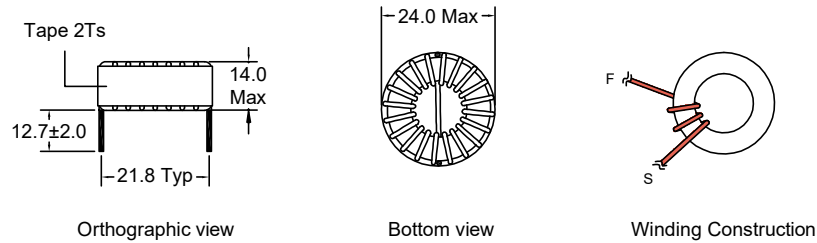


P/N: FA2414-H-271L3R4



Outline Dimensions(Unit:mm)



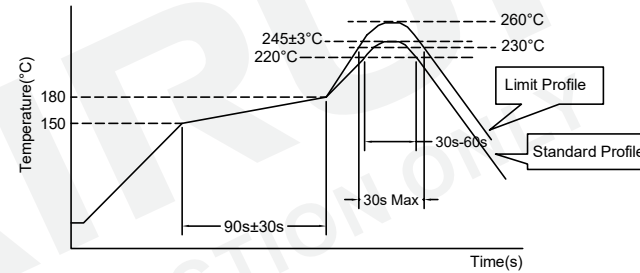
Electronical Schematic



Electrical Characteristics(at 25°C)

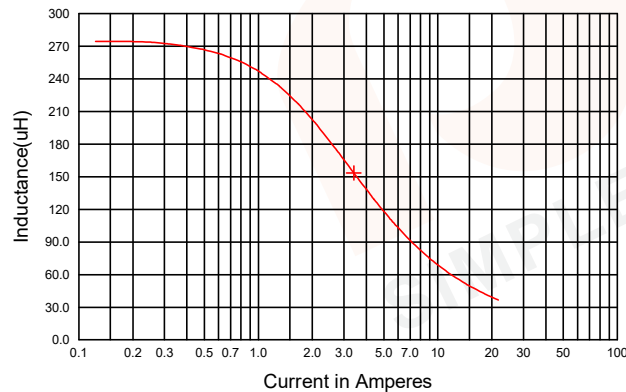
Inductance : L0A= 270uH±15%,at 1KHz,0.3V.  
L3.4A= 153uH±15%,at 1KHz,0.3V.  
Rated current: 3.4Amps.  
D.C.Resistance : 0.065 ohms Typ.

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             |                     |

Inductance VS Current



List of UL Certificate:

| Part Name   | Mat'l Description | Supplier                    | UL Number |
|-------------|-------------------|-----------------------------|-----------|
| Copper wire | 2UEW-F/155C       | Elektrisola Hangzhou Co Ltd | E258243   |
| Core        | Iron Powder Cores | KeDa Magneto Electricity    | N/A       |
| Tape        | AC05(White)/130C  | SYMBIO INC                  | E50292    |

|     |             |      |      |   |  |   |   |   |
|-----|-------------|------|------|---|--|---|---|---|
|     |             |      |      | Tianchang Fuan Electronic Co Ltd<br>www.fuantronics.net<br>TEL: +86-550-7814888<br>FAX: +86-550-7831133 | Tolerances unless otherwise specified:<br>(.X)±0.50 (XX)±0.25<br>Unit of measurement: mm | Make: Qiumei.Liu<br>Checked: Beson. zhan<br>Approved: Anson. zhan | <b>DRAWING TITLE</b><br>HIGH CURRENT<br>TOROID INDUCTORS<br>Material Number: A31DM080S400 | Customer P/N:<br>Document/Rev: 00<br>Specification Sheet: 1 of 1<br>Date of Recognition: Jan./02/2020 |
| REV | DESCRIPTION | APPD | DATE |   |  |   |   |   |