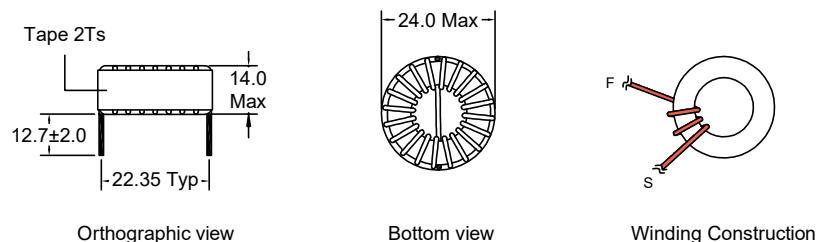


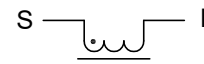
P/N: FA2414-H-120L12R0



Outline Dimensions(Unit:mm)



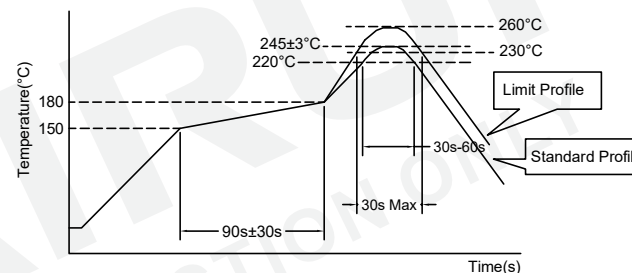
Electronical Schematic



Electrical Characteristics(at 25°C)

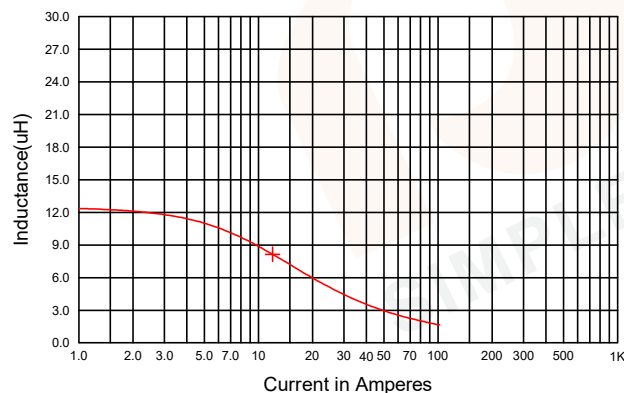
Inductance : L0A= 12uH±15%,at 1KHz,0.3V.
L12A= 7.9uH±15%,at 1KHz,0.3V.
Rated current: 12Amps.
D.C.Resistance : 0.006 ohms Typ.

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 | 1PEW-H/180C | 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 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 TOROID INDUCTORS Material Number: A31DM080S250 | Customer P/N: Document/Rev: 00 Specification Sheet: 1 of 1 Date of Recognition: Jan./02/2020 |
| REV | DESCRIPTION | APPD | DATE | | | | | |