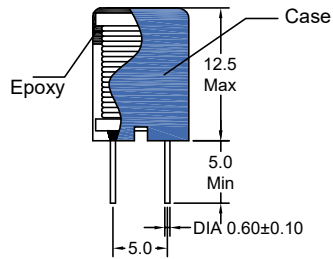


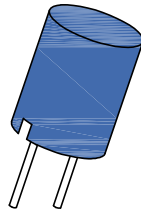
P/N: FALGB1112C-331K



Outline Dimensions(Unit:mm)



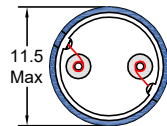
Orthographic view



Stereogram

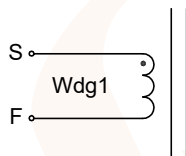


Top view



Bottom view

Electrical Schematic



Electrical Characteristics(@25°C)

| | | |
|--------------------------------|--------------------|---------------|
| Inductance 1KHz,0.1V S-F | DC Resistor S-F | Rated Current |
| 330uH±10% | 0.520Ω Max | 820mA |

***Operating Temperature: -40°C~+105°C.
(Temperature rise included)
***Storage Temperature : -40°C~+105°C.
***Storage Humidity:RH10%~70%.

Material list

| Part Name | SPEC | Material Type | Supplier | UL Number |
|-------------|----------------------|---------------|---|-----------|
| Core | DR2W10*10 (B=4.5) | NiZn | Zhongshan Jiaxin Electronic Co Ltd | N/A |
| Case | TL1112C | PBT3116 | E I Dupont De Nemours & Co Inc | E41938 |
| Copper Wire | 2UEW-F | 155°C | Elektrisola Hangzhou Co Ltd | E258243 |
| Epoxy | 3300A/B | | DongGuan Eatto Electronic Material Co Ltd | E218090 |

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 | |

| | | | | | | | | |
|-----|-------------|------|------|---|---|---|--|--|
| REV | DESCRIPTION | APPD | DATE | 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 THROUGH-HOLE RADIAL ENCAPSULATED POWER INDUCTORS Material Number: A331112CS120 | Customer Name: Document/Rev: 00 Specification Sheet: 1 of 1 Date of Recognition: Mar./17/2020 |
|-----|-------------|------|------|---|---|---|--|--|