# AC Line Filters Common Mode Choke Coil

## ALFT-03A



18.0 x 23.9 x 21.6mm

**RoHS/RoHS II Compliant**

### FEATURES:

- Presents High Common Mode Impedance
- Enables significant noise suppression at high frequency

### APPLICATIONS:

- Filtering common mode noise in USB, IEEE1394, LVDS, Digital Camera, Scanner.
- Digital audio and video equipments such as PDA, DSC, DVC, DVD Player.

### ELECTRICAL SPECIFICATIONS:

| Part Number | Common Mode Inductance Min (mH) 1-2/4-3 | Rated Current Max (A) | DCR Max (Ω) | Rated Voltage (V) | Insulation Resistance Min (M Ω) |
|---|---|---|---|---|---|
| ALFT-03A-1 | 105 | 0.2 | 10.0 | 250 | 100 |
| ALFT-03A-2 | 45 | 0.3 | 2.5 | 250 | 100 |
| ALFT-03A-3 | 26 | 0.4 | 1.5 | 250 | 100 |
| ALFT-03A-4 | 19 | 0.5 | 1.2 | 250 | 100 |
| ALFT-03A-5 | 12 | 0.6 | 1.0 | 250 | 100 |
| ALFT-03A-6 | 10 | 0.7 | 0.80 | 250 | 100 |
| ALFT-03A-7 | 7.0 | 0.8 | 0.80 | 250 | 100 |
| ALFT-03A-8 | 5.5 | 1.0 | 0.75 | 250 | 100 |
| ALFT-03A-9 | 4.30 | 1.1 | 0.70 | 250 | 100 |
| ALFT-03A-10 | 2.7 | 1.3 | 0.68 | 250 | 100 |
| ALFT-03A-11 | 2.1 | 1.5 | 0.60 | 250 | 100 |
| ALFT-03A-12 | 1.7 | 1.7 | 0.60 | 250 | 100 |
| ALFT-03A-13 | 1.0 | 2.2 | 0.40 | 250 | 100 |
| ALFT-03A-14 | 0.6 | 3.0 | 0.38 | 250 | 100 |

**Test Conditions**

Test Freq for L: 1KHz, 0.1Vrms
Turns Ratio: 1:1 ± 2%
Hi-Pot: 2000$V_{RMS}$

**Operating Temperature**

-25˚C to +85˚C

**Storage Temperature**

-25˚C to +85˚C


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# Common Mode Line Filter

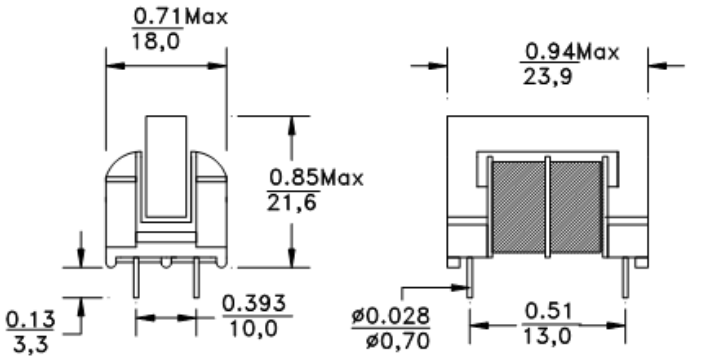
ALFT-03A

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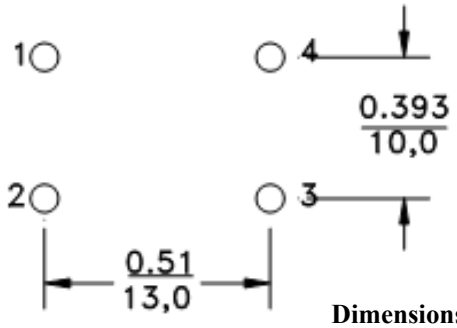


18.0 x 23.9 x 21.6mm

## ELECTRICAL SPECIFICATIONS:




**Recommended Land Pattern**



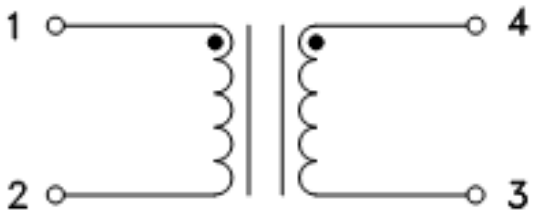

**Dimensions:** inch / mm

## MATERIALS

| Part Name | Materials | UL file Number |
|---|---|---|
| Ferrite Core | Mn-Zn Ferrite | |
| Bobbin | Phenolic | E59481 |
| Lead Wire | CP WIRE | |
| Coil | Cu/P180 Grd 1 | E158909 |

**Note: No material substitutions allowed without prior approval by Abracon in writing.**

## SCHEMATICS




**Packing** **144pcs/Box**

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