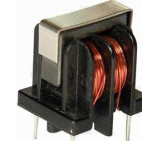


# AC Line Filters Common Mode Choke Coil

ALFT-03A

RoHS/RoHS II Compliant



18.0 x 23.9 x 21.6mm

## 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<br>Min (mH) 1-2/4-3 | Rated Current<br>Max (A) | DCR<br>Max ( $\Omega$ ) | Rated<br>Voltage (V) | Insulation Resistance<br>Min (M $\Omega$ ) |
|-------------|--|--------------------------|-------------------------|----------------------|--|
| 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  $\pm$  2%

Hi-Pot: 2000V<sub>RMS</sub>

### Operating Temperature

-25°C to +85°C

### Storage Temperature

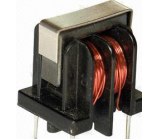
-25°C to +85°C

**GOLDSTONE**  
MAGNETICS

SHAANXI GOLD-STONE ELECTRONICS CO.,LTD

Web: [www.gsmagnetics.com](http://www.gsmagnetics.com) Tel:029-85401274 Fax:029-85401274 E-mail:[sales@gsmagnetics.com](mailto:sales@gsmagnetics.com)

# AC Line Filters Common Mode Choke Coil

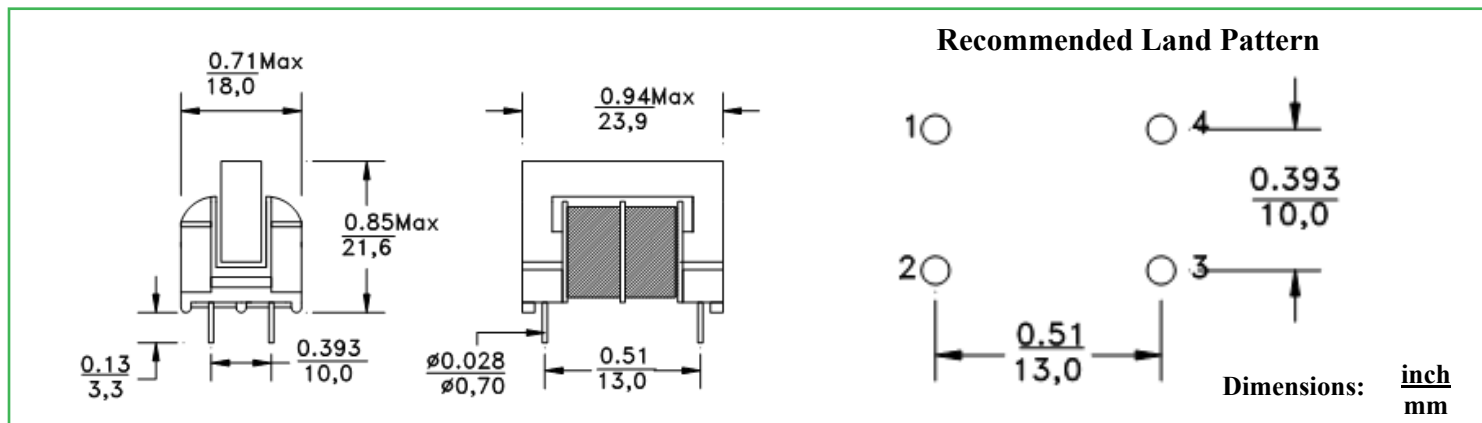


18.0 x 23.9 x 21.6mm

ALFT-03A

RoHS/RoHS II Compliant

## ELECTRICAL SPECIFICATIONS:

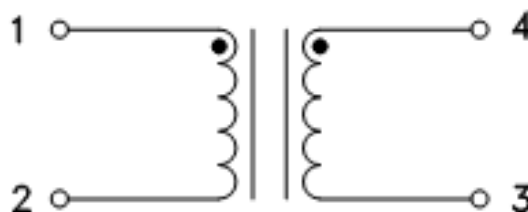


## MATERIALS

| 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

**GOLDSTONE**  
MAGNETICS

SHAANXI GOLD-STONE ELECTRONICS CO.,LTD

Web: [www.gsmagnetics.com](http://www.gsmagnetics.com) Tel:029-85401274 Fax:029-85401274 E-mail:[sales@gsmagnetics.com](mailto:sales@gsmagnetics.com)