

# 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 Min (mH) 1-2/4-3	Rated Current Max (A)	DCR Max ( $\Omega$ )	Rated Voltage (V)	Insulation Resistance 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



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## 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**

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