



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Common Mode Line Filter

ALFT-09V



RoHS/RoHS II Compliant



16.5 x 11.5 x 17.0mm

## 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 ALFT-09V-Inductance Code	L (mH) min.	DCR Max ( $\Omega$ )	$I_r$ ( $A_{rms}$ )
ALFT-09V-501	0.5	0.2	1.4
ALFT-09V-102	1.0	0.4	1.0
ALFT-09V-202	2.0	0.8	0.7
ALFT-09V-502	5.0	1.6	0.5
ALFT-09V-802	8.0	2.5	0.4
ALFT-09V-103	10.0	3.6	0.3

### Test Conditions

Hipot: 1500V<sub>RMS</sub>/60Hz/3mA/3sec

$I_r$ : Based on temperature rise at 40°C max

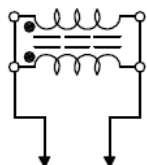
### Operating Temperature

-40°C to +125°C

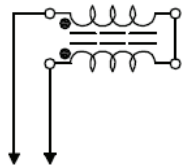
### Storage Temperature

-40°C to +125°C

Common Mode  
Measuring circuit :

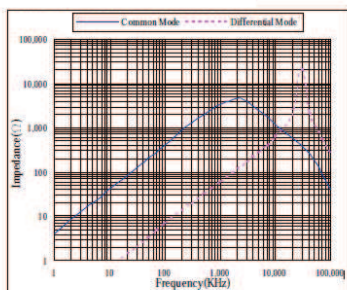


Differential Mode  
Measuring circuit :

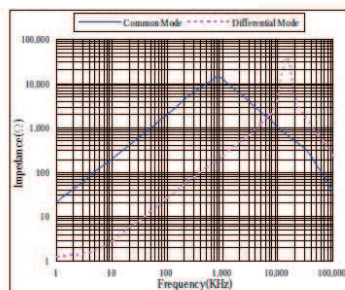


## ELECTRICAL CHARACTERISTICS:

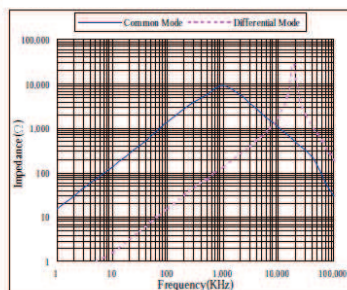
ALFT-09V-501



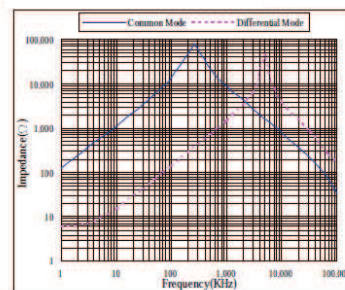
ALFT-09V-202



ALFT-09V-102



ALFT-09V-103



# Common Mode Line Filter

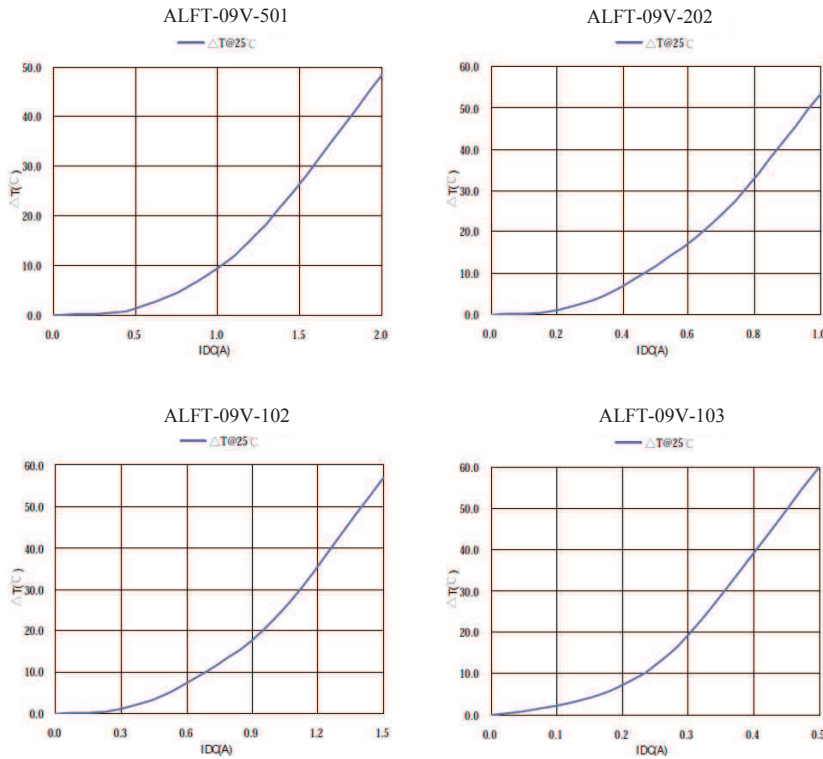


16.5 x 11.5 x 17.0mm

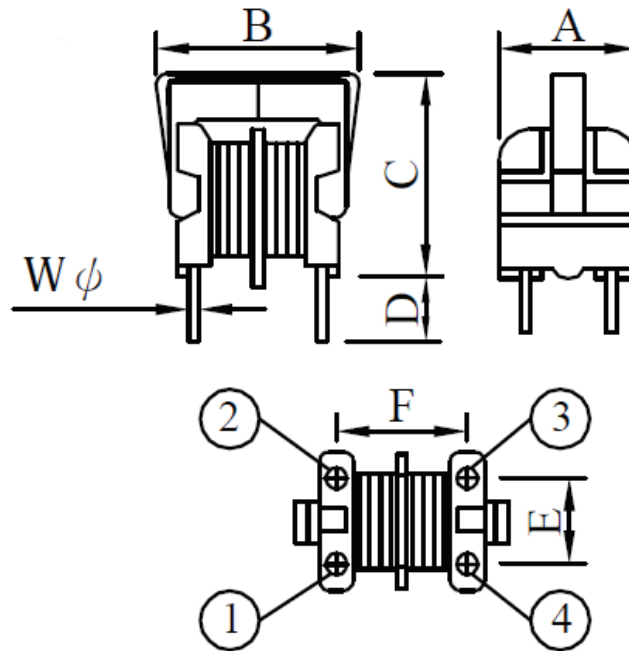
ALFT-09V



RoHS/RoHS II Compliant



## OUTLINE DRAWING:



A	B	C	D	E	F	Wφ
11.5 max	16.5 max	17.0 max	5.0 ±1.0	7.0 ±0.5	8.0 ±0.5	0.6 ±0.05

Dimensions: mm

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Revised: 01.02.14

# Common Mode Line Filter

ALFT-09V

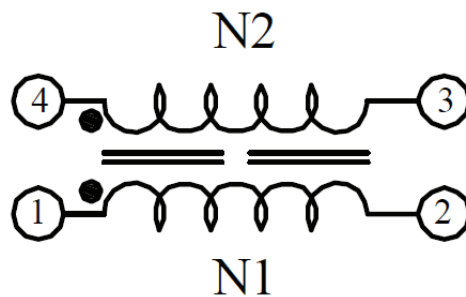


RoHS/RoHS II Compliant



16.5 x 11.5 x 17.0mm

## SCHEMATICS



Packing 288pcs/Box

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