

# 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

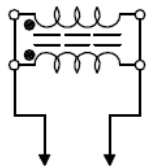
### Operating Temperature

-40°C to +125°C

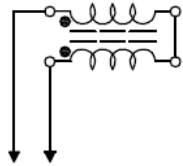
### Storage Temperature

-40°C to +125°C

Common Mode  
Measuring circuit :

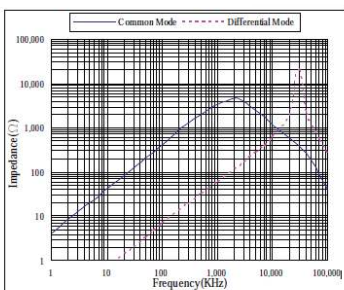


Differential Mode  
Measuring circuit :

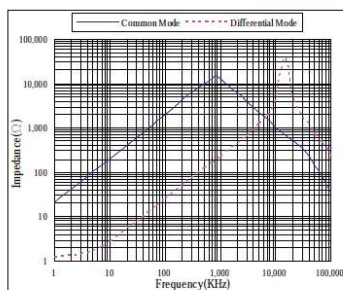


## ELECTRICAL CHARACTERISTICS:

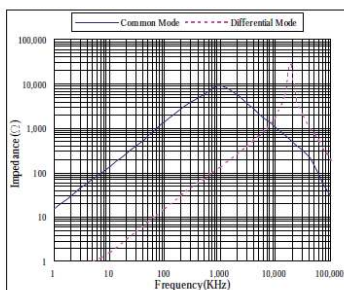
ALFT-09V-501



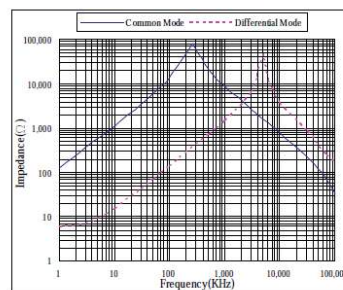
ALFT-09V-202



ALFT-09V-102



ALFT-09V-103



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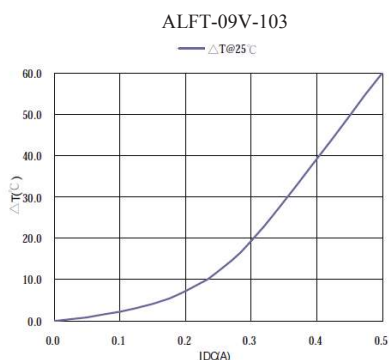
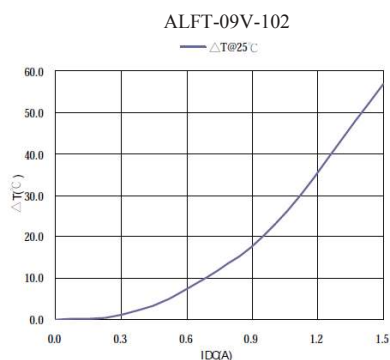
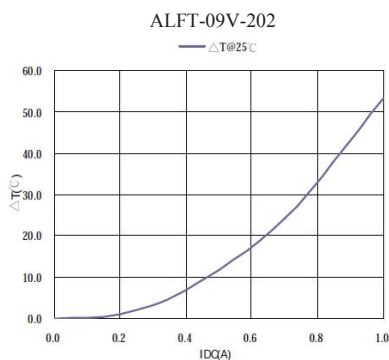
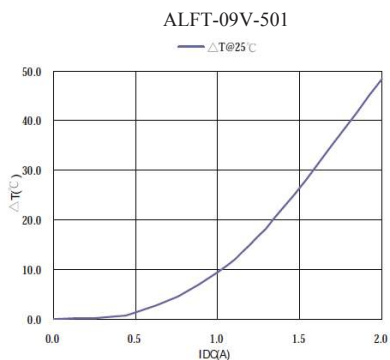


16.5 x 11.5 x 17.0mm

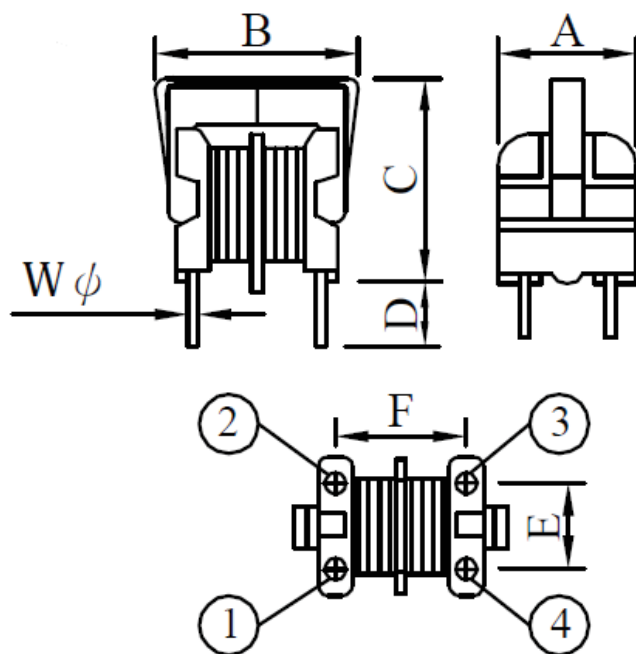
ALFT-09V



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

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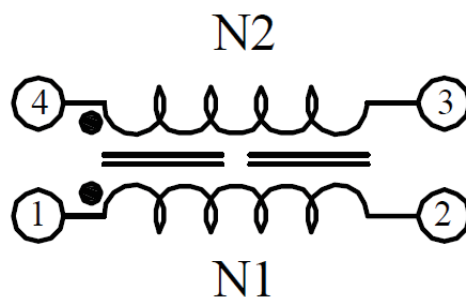


RoHS/RoHS II Compliant



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## SCHEMATICS



Packing 288pcs/Box

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