

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 (Ω) | 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_{RMS}/60Hz/3mA/3sec

I_r : Based on temperature rise at 40°C max

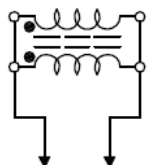
Operating Temperature

-40°C to +125°C

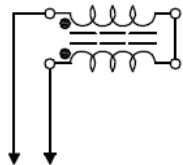
Storage Temperature

-40°C to +125°C

Common Mode
Measuring circuit :

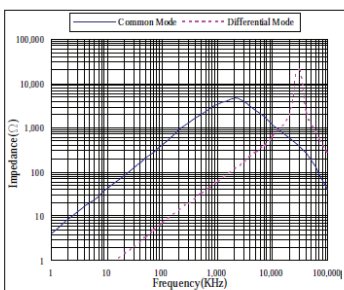


Differential Mode
Measuring circuit :

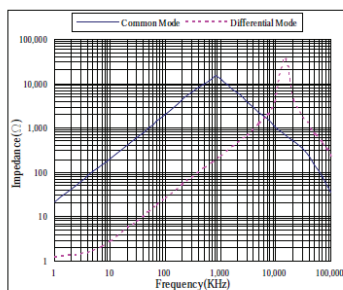


ELECTRICAL CHARACTERISTICS:

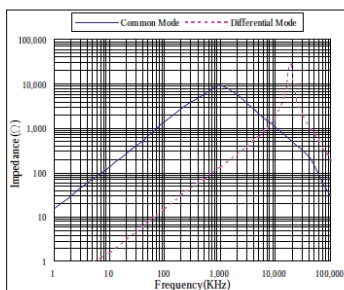
ALFT-09V-501



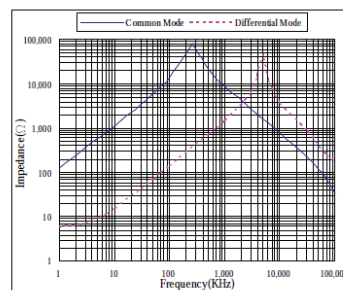
ALFT-09V-202



ALFT-09V-102



ALFT-09V-103



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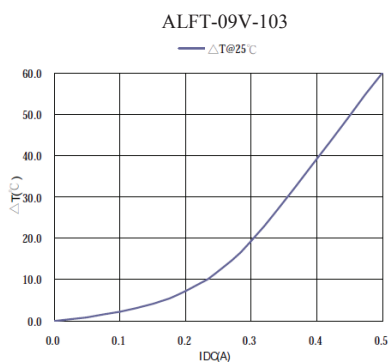
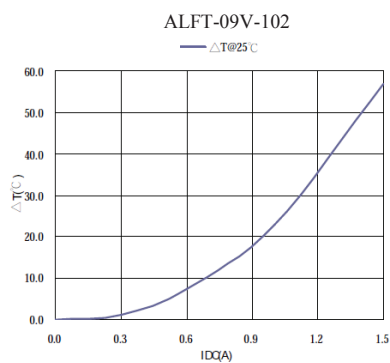
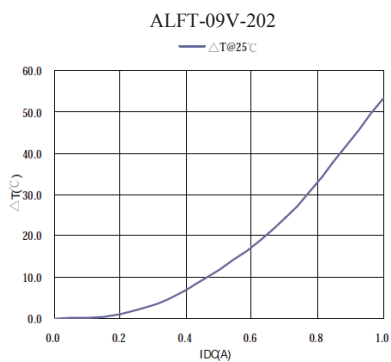
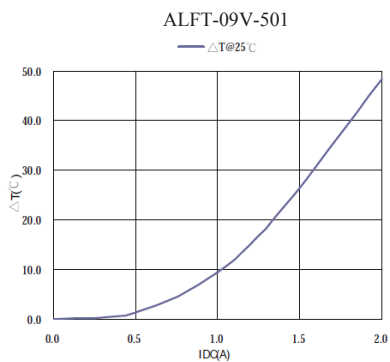


16.5 x 11.5 x 17.0mm

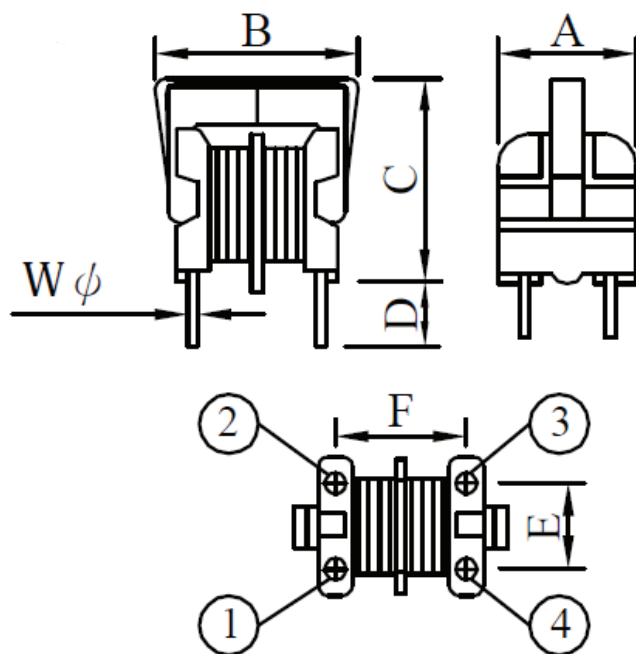
ALFT-09V



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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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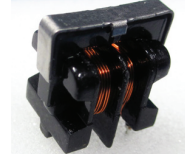
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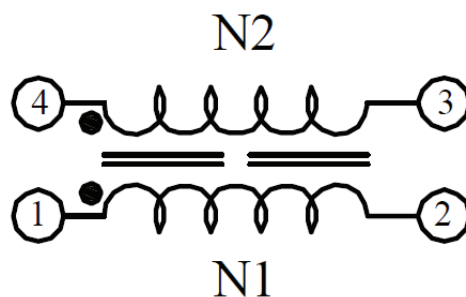


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SCHEMATICS



Packing 288pcs/Box

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