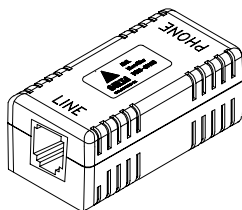


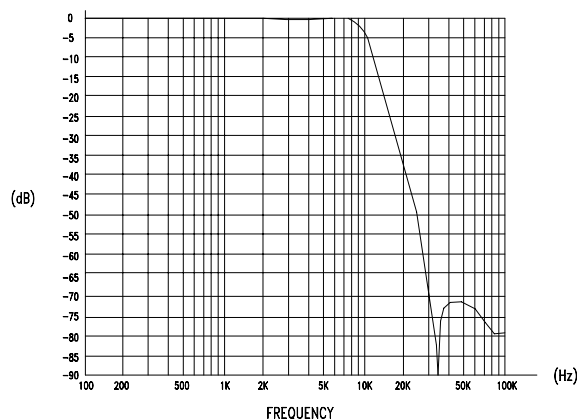
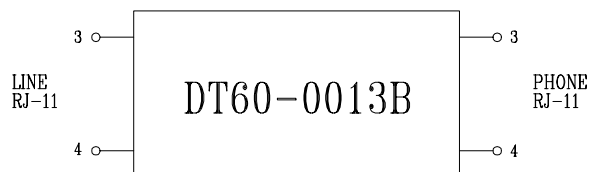


ADSL MICROFILTER

DT60-0013B

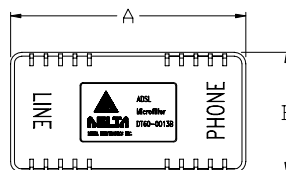


- The ADSL low pass filter is used to block any noise generated by other phones, fax's being introduced on the POT line.
- The filter with two or three orders is used to separate and reduce the voice band harmonics.



FEATURE

- Design Meet UL1950
- Operation Temperature -10°C to $+55^{\circ}\text{C}$
- Operation Humidity 10% to 90% RH
- Data and voice links operate independently, preventing mutual interface between those signals.
- Electrical characteristics meets Annex E.2 of ITU-T Rec.G.992.1
- Attenuation Distortion meet Annex E.2.3.1.3 of ITU-T Rec.G.992.1
- Return Loss meet Annex E.2.3.1.1. of ITU-T Rec.G.992.1
- The POT splitter and Low-pass filter will not affect the normal use of telephone service even the power supply or itself fails.

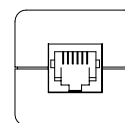
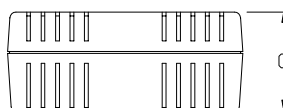


UNIT: mm

A = 78.00 ± 0.50

B = 31.60 ± 0.50

C = 22.00 ± 0.50



ELECTRICAL CHARACTERISTICS

3dB CUTOFF FREQUENCY	7KHz
ATTENUATION DISTORTION	$\pm 1.0\text{dB}$ @200Hz ~ 4KHz
ATTENUATION	65dB Min. @30KHz ~ 300KHz 55dB Min. @300KHz ~ 1104KHz
INSERTION LOSS	0.5dB Max. @1004Hz
RETURN LOSS	5dB Min. @SRL-L 6dB Min. @ERL 3dB Min. @SRL-H
LONGITUDINAL BALANCE(CMRR)	58dB Min. @200Hz ~ 1KHz 53dB Min. @3KHz
D.C RESISTANCE EACH LINE	12.5 Ω Max.
DELAY DISTORTION	200uS Max. @600Hz ~ 3.2KHz 250uS Max. @200Hz ~ 4KHz
IMPEDANCE	600 Ω @300Hz ~ 3.4KHz
INSULATION RESISTANCE	250VDC >5M Ω @TIP TO RING