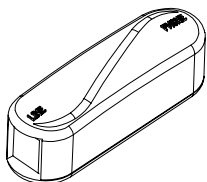




# ADSL MICROFILTER

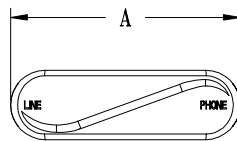
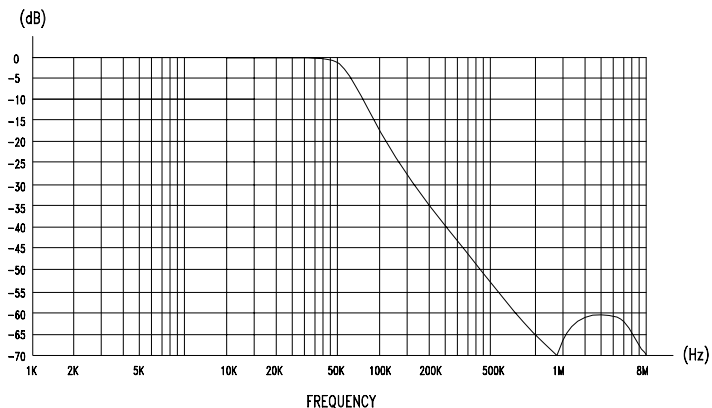
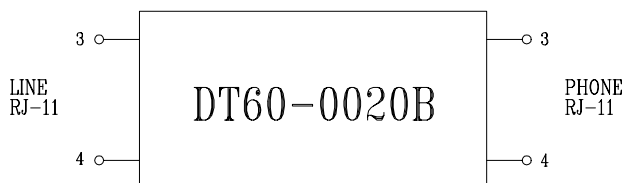
DT60-0020B



- 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 four orders is used to separate and reduce the voice band harmonics.

## FEATURE

- Meeting UL1950, UL94V-1 , FCC PART 68
- Operation Temperature  $-10^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$
- Operation Humidity 10% to 90% RH
- Data and voice links operate independently, preventing mutual interface between those signals.
- Storage Temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

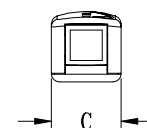
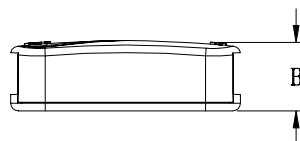


UNIT: mm

$$A = 72.70 \pm 1.0$$

$$B = 23.00 \pm 1.0$$

$$C = 21.50 \pm 1.0$$



RJ-11

| ELECTRICAL CHARACTERISTICS |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| 3dB CUTOFF FREQUENCY       | 9.2KHz                                                                  |
| ATTENUATION DISTORTION     | $\pm 0.5\text{dB}$ @200Hz ~ 3.4KHz<br>$\pm 1.0\text{dB}$ @3.4KHz ~ 4KHz |
| ATTENUATION                | 20dB Min. @25KHz<br>30dB Min. @50KHz                                    |
| INSERTION LOSS             | 1.0dB Max. @1004Hz                                                      |
| RETURN LOSS                | ERL 6dB Min.<br>SRL-LO 5dB Min.<br>SRL-HI 3dB Min.                      |
| LONGITUDINAL BALANCE       | 58dB Min. @200Hz ~ 1KHz<br>53dB Min. @3KHz                              |
| D.C RESISTANCE             | 10 $\Omega$ Max.                                                        |
| DELAY DISTORTION           | 200uS Max. @600Hz ~ 3.2KHz<br>250uS Max. @200Hz ~ 4KHz                  |
| DC CURRENT                 | 100mA                                                                   |
| INSULATION RESISTANCE      | >5M $\Omega$ @TIP TO GND & RING TO GND                                  |
| IMPEDANCE                  | 600 $\Omega$ @300Hz ~ 3400Hz                                            |