

**ADSL MICROFILTER**  
**P/N: AD-3063 DATA SHEET**



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**Feature**



- For applications where both data and voice are transmitted over the same copper pair.
- Compact package, includes RJ-11 connectors for ease of installation
- Will pass only voice band signals while attenuating the higher ADSL data frequency.
- Operating Temperature: -10°C to +60.°C
- Storage Temperature: -25°C to +75°C

| Electrical Specifications @ 25°C  |               |            |      |       |       |
|---|---------------|------------|------|-------|-------|
| PARAMETER   | FREQUENCY     | MIN.       | NOM. | MAX.  | UNITS |
| <b>POT Insertion Loss</b><br>900Ω line Side<br>600Ω Phone Side              | 200 Hz        |            |      | ± 1.0 | dB    |
|   | 1000 Hz       |            |      | ± 1.0 |       |
|   | 3400 Hz       |            |      | ± 1.0 |       |
|   | 4000 Hz       |            |      | ± 1.0 |       |
| <b>ADSL Insertion Loss</b><br>100Ω line Side<br>600Ω Phone Side             | 30 KHz        | -25        |      |       |       |
|   | 100 KHz       | -40        |      |       |       |
|   | 1100KHz       | -60        |      |       |       |
| <b>CUTOFF FREQUENCY</b>   | 7 KHz         |            | 3    |       |       |
| <b>Return Loss</b><br>Referenced to ANSI T1.413<br>ZNL-r, complex impedance | 200 Hz ~ 4KHz | ERL > -6   |      |       |       |
|   | 200 Hz ~ 4KHz | SRL-L > -5 |      |       |       |
|   | 200 Hz ~ 4KHz | SRL-H > -3 |      |       |       |
| <b>Longitudinal Balance</b>   | 1000 Hz       | -58        |      |       |       |
|   | 3000 Hz       | -53        |      |       |       |
| <b>Total DC Resistance</b>  |               |            |      | 25    | Ω     |

**Schematic & Mechanical**

