

POTS Filters

For DSL Applications

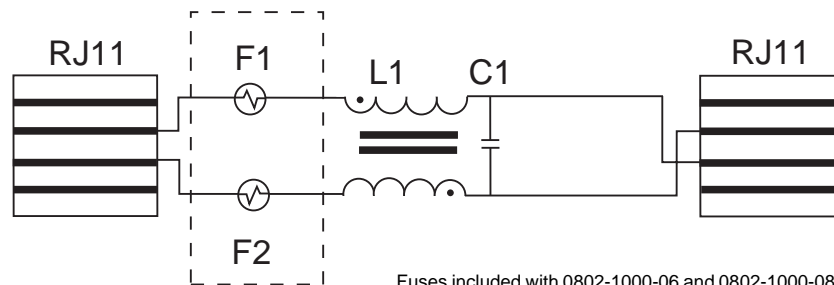
TM9956

- Filter design is compliant with all ADSL, RADSL, SDSL and VDSL coding standards
- Available in two popular packaging options, with or without pigtail
- Compact and robust package design includes RJ-11 connectors for easy installation
- Meets UL, CSA and TUV safety standards
- UL 1950 compliant
- Meets FCC Part 68 Rules
- CS-03 (Industry Canada) compliant
- Operating temperature range of -40° to 85° C

ELECTRICAL SPECIFICATIONS at 25° C

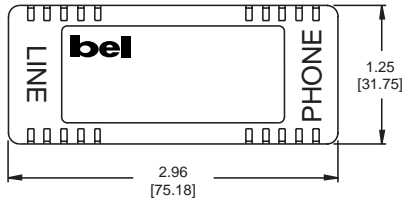
| | 0802-1000-02 | 0802-1000-03 | 0802-1000-05 | 0802-1000-06 | 0802-1000-08 | 0802-1000-09 |
|--------------------------------|-----------------|--------------|-----------------|-----------------|--------------|--------------|
| Inductor Value | 1mH | 4mH | 4mH | 4mH | 4mH | 1mH |
| Configuration | without pigtail | with pigtail | without pigtail | without pigtail | with pigtail | with pigtail |
| Cutoff Frequency -3 dB | 13.5kHz | 12kHz | 12kHz | 12kHz | 12kHz | 13.5kHz |
| Attenuation @ 20kHz | 6.5 dB | 9 dB | 9 dB | 9 dB | 9 dB | 6.5 dB |
| Attenuation @ 40kHz | 15 dB | 20 dB | 20 dB | 20 dB | 20 dB | 15 dB |
| Insertion Loss 200Hz to 4kHz | .5 dB | .5 dB | .5 dB | .5 dB | .5 dB | .5 dB |
| Pass Band Ripple 200Hz to 4kHz | ± .5 dB | ± .5 dB | ± .5 dB | ± .5 dB | ± .5 dB | ± .5 dB |
| DCR (each line) | 1Ω | 3Ω | 3Ω | 3Ω | 3Ω | 1Ω |
| Return Loss @ 1kHz | 23 dB | 27 dB | 27 dB | 27 dB | 27 dB | 23 dB |

TYPICAL LAYOUT

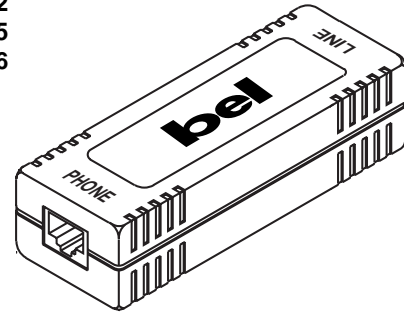


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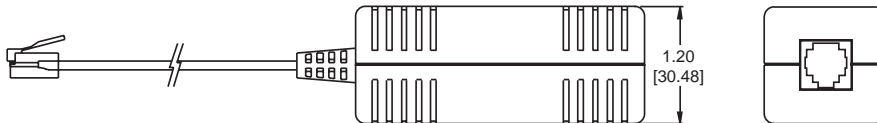
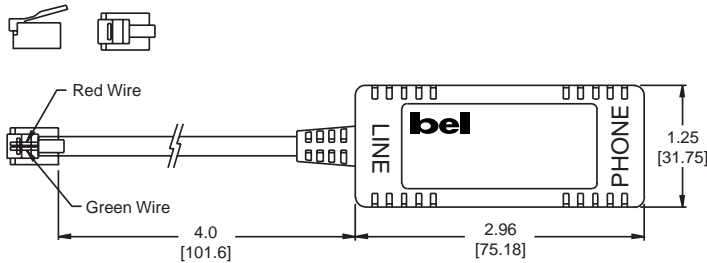
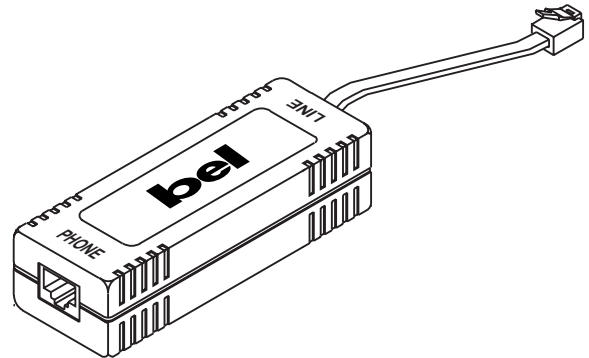
MECHANICALS



0802-1000-02
0802-1000-05
0802-1000-06



0802-1000-03
0802-1000-08
0802-1000-09



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