

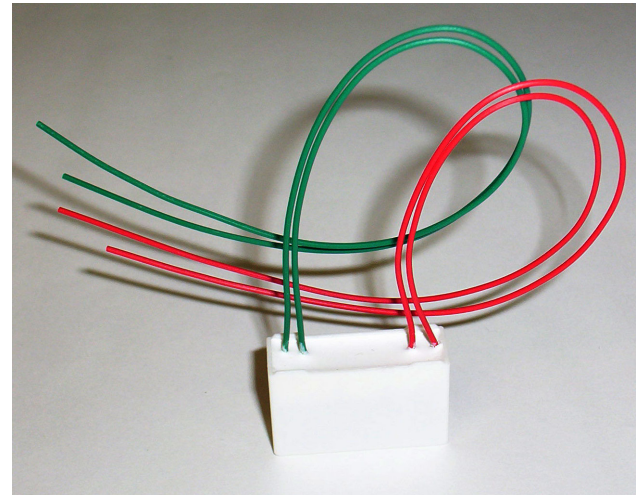
# Analog Radio Frequency Interference Filter

# A-150

OPTO-TECH™

## Features

- Patented design provides radio frequency interference (RFI) attenuation up to -57 dB
- Eliminates RFI including AM, FM, CB and amateur radio from voiceband DC signal
- Passive Device - No ground required
- Tip & Ring balanced to 600 ohm telephone line impedance
- Reversible in-line single pair connection via wire pigtailed
- Compact size, excellent durability, high impact plastic housing
- Optional fork terminals for fast installation



## Description

The xA-150 filters are single pair, in-line filters designed to attenuate RFI up to -57 dB on analog lines from 75 kHz to 150 MHz. The filters require no external grounding and are balanced to 600 ohms with an off-hook insertion loss of less than 0.1 dB at 1004 Hz, thus ideal for telephony applications such as with telephones, fax machines and analog PC modems.

The xA-150 features a small, weatherproofed enclosure that is installed on the customer side of the Network Interface Device. Model SA-150 has fork terminals, and model A-150 has unterminated wires for maximum installation flexibility.

In certain situations, the RFI demodulated signal power may be so overbearing that multiple filters would need to be installed in series to eliminate the RFI.

NOTE: The xA-150 filters are not designed to filter DSL frequencies from POTS frequencies, since these filters will not attenuate a portion of the upstream DSL frequency spectrum; however, certain installation techniques using the xA-150 filters can be used to alleviate RFI in DSL applications.

| Wilcom P/N  | Model  | Description                  |
|-------------|--------|------------------------------|
| 30032289-01 | A-150  | weatherproof, unterminated   |
| 30032313-01 | SA-150 | weatherproof, fork terminals |

| Specifications                      |                  |
|-------------------------------------|------------------|
| DC Resistance (Tip-to-Ring open)    | > 10 Mohms       |
| DC Resistance (Tip-to-Ring shorted) | < 10 ohms        |
| Max. DC Current                     | 150 mA           |
| Capacitance (Tip-to-Ring)           | < 0.1 nF         |
| Return Loss                         | > 40 dB          |
| Longitudinal Balance                | > 80 dB          |
| Attenuation Distortion              | < 0.2 dB         |
| Attenuation @ 75 kHz                | -3 dB            |
| RFI Attenuation                     | to -57 dB        |
| Dimensions (L x W x H inches)       | 1.26 x .43 x .79 |
| U.S. Patent No.                     | 6,078,662        |

# Wilcom

Specifications and prices are subject to change without notice.  
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