

2-Line Radio Frequency Interference Filter

M-250

Features

- Reduces Radio Frequency Interference (RFI) including: AM, FM, CB and amateur radio on 2-line telephone circuits
- patented design suppresses RFI signals down to -57 dB
- passive device - no power or grounding required
- eliminates special wiring usually required for 2-line installations
- convenient 2-pair connection via modular RJ-14 jack and plug
- compact size, excellent durability, high impact plastic housing
- standard pinout: (Line 1 - center pair) (Line 2 – outside pair)



Description

The M-250 is a two line (2-pair) in-line modular filter designed to attenuate radio frequency noise on telephone lines from 75 kHz to 150 MHz. Significant RFI noise can be attributed to florescent lighting, large motors and improper wiring. RFI can also be caused when the subscriber is located near a radio station or other transmitting tower.

This filter requires no power or grounding and is balanced to 600 ohms with an off-hook insertion loss of less than 0.1 dB at 1004 Hz. This filter can be used on all telephony applications served from a Central Office or derived locally from a Digital Subscriber Line.

The M-250 is a modular device which can be installed at a RJ-14 modular jack near the NID or Residential Gateway to filter both lines of the entire residence without any special wiring or extra connections.

NOTE: The M-250 filter is not a "DSL filter" and should be only installed after a DSL master splitter or microfilter.

Wilcom P/N	Model	Description
30032643	M-250	2-Line Modular RFI Filter (RJ-14)
30032298-01	M-150	1-Line Modular FRI Filter (RJ-11)
30032298-02	M-150-H	RFI Filter for Handset Cord (RJ-9)

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)	
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