

INSTRUCTIONS

TVRO Interference Filter Model 8976

Tunable Notch Filter
Block Downconverter
(900-1450 MHz)

Most modern TVRO receivers now operate on the block downconversion principal. In many cases, the only convenient place for RF filtering is in the TVRO cable carrying the block downconverted band, usually 900-1450 MHz. The LNB locks the LNA (Low Noise Amplifier) and the block downconverter together and denies access to the 4 GHz band for filtering. A final IF loop-out (usually 70 MHz) is not always available for installing filters.

The 8976 tunes over the entire blockband to notch out TI while removing minimum signal bandwidth. It is intended for use where only a single receiver is in service. (See Diagram).

Model 8976 operates over the bandwidth of 900-1450. The single turn knob tunes a narrow 15 dB notch through the entire band to suppress any downconverted 4 GHz carrier. Turn the knob until you pass by your transponder frequency (video will degrade sharply) then turn the knob slowly to right or left, which ever gives best results. Fine tune the knob to maximize interference suppression.

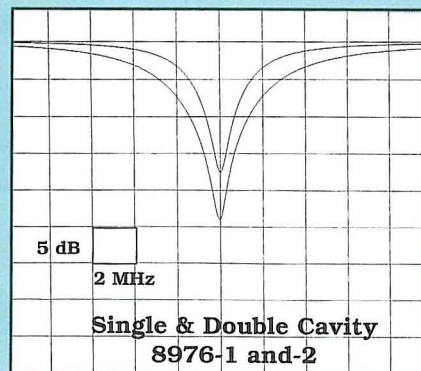
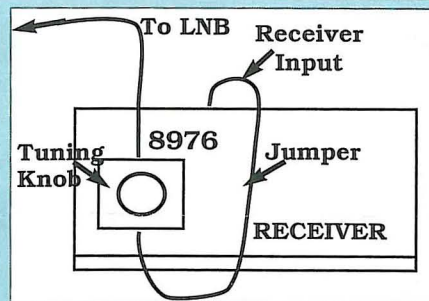
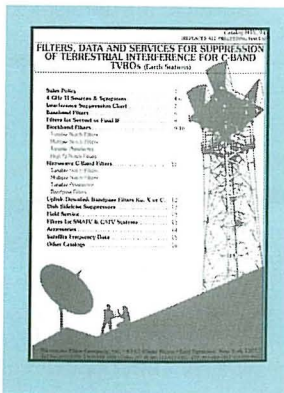
For model 8976-2, both cavities can be tuned to one frequency for a suppression notch of 25 dB or, the cavities can be adjusted to notch out TI on both sides of your desired transponder.

The filter is compatible with Scientific Atlanta series E9700 B-MAC IRD.

Free catalog MTV/91 contains a full line of products, services and information vital to any installer who runs into trouble with terrestrial interference (TI). It includes:

- IF Traps
- Block Downconverter Filters
- IF and Special Filters
- Microwave Accessories
- Microwave Traps
- Microwave Bandpass Filters
- Cable and SMATV Products
- Dish Edge Absorbers

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TI Resolution

The 8976 is only one approach to solving your TI. If you need help using this filter, call our toll free number for technical assistance.