

# Low Cost Single Channel Elimination Filter

*Removes Low Band Cable Channels*

## 14070 Channel Elimination Filter



### Description:

The single channel elimination filter provides 50 dB attenuation (video-to-audio) of a designated 6 MHz wide television channel (2 through 6), with minimal impact on adjacent channels, to allow reinsertion of new information without interference.

### Features:

- Cleanly rejects entire channel
- Passes adjacent channels
- Low cost
- Operating Bandwidth: 500 MHz
- Optional Operating Bandwidth: 1000 MHz
- Two year limited warranty
- 1 3/4" low profile rack mounting
- May be cascaded for multiple channel elimination
- Excellent frequency stability

### Applications:

- Removal of selected cable channels
- Signal insertion of locally originated signals
- Insertion of converted UHF or VHF signals

### Mechanical Specifications:

Dimensions: 19" L x 1 3/4" H x 6" D (Rack Mount)  
Connectors: Type "F"

### Ordering Information:

14070 - (Channel)

### Specifications:

Operating Bandwidth: .....500 MHz  
Optional Operating Bandwidth: .....1000 MHz  
Rejection: .....50 dB Min (55 dB Typ)  
Insertion Loss: .....2 dB Max  
Adjacent Carrier Insertion Loss: .....7 dB Max  
Input Return Loss: .....16 dB (except adjacent channels)  
Input Signal Level .....+12 dBm Max  
Operating Temperature: .....0° C to 50° C