

# Channel Elimination Filters

CEF Series

Headend



## ○ Features & Benefits

- Rack Mountable - 1 EIA (1.75") Rack Space
- Suppresses an Entire Analog Channel Allowing Insertion of Desired Signal
- Low Insertion Loss
- CEFs May Be Cascaded for Multiple Channel Deletions

The CEF is a professional quality, 750 MHz channel elimination filter. This filter is designed to remove one 6 MHz wide television channel, permitting another channel to be re-inserted onto the now vacated channel. Attenuation of greater than 52 dB can be obtained on both visual and aural carriers with only negligible loss to adjacent channel carriers. This results in clean removal of any channel (50 to 312 MHz, CH 2-38) and provides a means for substituting local origination or a desired channel for an unwanted channel. The CEF-750 has a passband to 750 MHz and is completely bidirectional, allowing the input and output connections to be interchanged.

## ○ Specifications

### RF

Frequency Range  
Channel Elimination: 54-312 MHz  
Passband: 0-750 MHz

Channels: VHF,CATV

Insertion Loss - Max.:  
Ch. 2 to 6 (50 - 312 MHz): 2.1 dB  
Ch. 2 to 6 (312 - 750 MHz): 3.1 dB  
Ch. 98 to 23 (50 - 312 MHz): 1.9 dB  
Ch. 98 to 23 (312 - 750 MHz): 2.5 dB  
Ch. 24 to 38 (50 - 312 MHz): 1.6 dB  
Ch. 24 to 38 (312 - 750 MHz): 2.1 dB

Channel Suppression: 52 dB

Adjacent Channel Insertion Loss  
2 to 23: 3.0 dB  
24 to 38: 4.0 dB

Impedance - All Ports: 75 Ω

Return Loss - Min.  
Input: 10 dB  
Output: 10 dB

### Mechanical

Dimensions (W x H x D):  
19.0 x 1.75 x 10.25 in.  
483 x 44 x 260 mm

Weight: 6.0 lbs., 2.73 kg

### Connectors

RF Input: "F" Female  
RF Output: "F" Female

Refer to product instruction manual for additional specification measurements and notes.

## ○ Ordering Information

Model	Stock No.	Description
CEF-750	4446	Channel Elimination Filter 54-312 MHz Filtering, 50-750 MHz Passband