BLONDER TONGUE
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INSTRUCTION MANUAL

CEF-750

Channel Elimination Filter

Stock No. 4446

MADE IN USA

651169500D

DESCRIPTION

The Blonder Tongue CEF-750 is a single channel bandstop filter designed specifically for the attenuation of all significant energy within a 6 MHz wide television channel. Attenuation of >50 dB can be obtained from the visual to the aural carriers with negligible loss to adjacent channel carriers. This results in the clean removal of any channel in a fully loaded distribution system and provides a means for substituting local origination or a desired channel for an unwanted channel.

A CEF-750 is available for each VHF channel (2 — 13), for CATV Midband (A-5 — I), Superband (J — W), and Hyperband (AA & BB), or EIA channels 2-38, 95-99.

The CEF-750 is designed with a sturdy aluminum chassis and mounts in a standard EIA 19" rack.

The band-stop filter of the CEF is symmetrical, the rear-surface mounted input/output connectors are interchangeable.

FEATURES

- For Use in Systems with Passbands to 750 MHz
- Suppresses an Entire Channel Sufficiently to Allow Clean Reinsertion of Local Origination or Desired Channel
- Adjacent Channels are Virtually Unaffected
- CEF's May be Cascaded For Multiple Channel Deletions
- Shock, Vibration, Temperature and Humidity Resistant

SPECIFICATIONS

ELECTRICAL

Frequency Range: Eliminates any Channel 2 — 13, A-5 — I, J — W, AA, BB

Channel Suppression (from Thruline Loss): >50 dB relative to thru loss

Adjacent Channel Loss (from Thruline Loss): 3 dB ch. 2 — 6 and A-5 — J, 4.0 dB ch. K — BB

Thru Loss: Channels 2 — 6, 2 dB (50 to 300 MHz), 2.8 dB (300 to 750 MHz). Channels A-5 — J, 1.6 dB (50 to 300 MHz), 2.2 dB (300 to 750 MHz). Channels K — BB, 1.3 dB (50 to 300 MHz), 1.8 dB (300 to 750 MHz)

Thruline Return Loss: >10 dB, Except adjacent channels

GENERAL

Temperature Range:	0° C to +65° C
Temperature Stability:	±50 kHz

MECHANICAL

Dimensions (L x D x H):	19 x 10.25 x 1.75 in., 482.6 x 260.35 x 44.45 mm
Shipping Weight:	6 lbs., 2.72 kg.
Connectors:	RF Input and Output ("F" Female)

Notes:

1. The CEF-750 is not designed for power passing.

2. Adjustment of CEF-750 sections can only be done with specialized equipment and knowledge and should not be attempted in the field. There are no USER serviceable parts in this unit.