

# BEF45

BAND ELIMINATION FILTER



INSTRUCTION BOOK  
IB 6283-02

## INTRODUCTION:

The BEF45 BAND ELIMINATION FILTER is a device that removes the 4.5MHz FM sub-carrier from a Composite video signal. The input is 4.5 MHz TV audio multiplexed on base-band video a (Composite Video signal) on one BNC connector. Composite video with no 4.5 MHz audio sub-carrier appears at the BNC output. This filter removes the 4.5 MHz signal by notch filtering the composite signal.

The BEF45 is ideal for removing 4.5 MHz sub-carriers from a composite Video on a microwave or other composite sources.

The BEF45 is fully RF shielded in a die cast aluminum box and is equipped with input and output BNC (female) connectors. It is a passive filter so no power source is required. Simply connect the BNC cables and your up and operating. There are no controls to adjust and no periodic maintenance is required.

### INPUT

Impedance  
Signal  
Video Level

### SPECIFICATIONS

75 Ohms  
NTSC Composite Video  
1 Volt p-p

### VIDEO OUTPUT

Impedance  
Pass-band  
Chrominance Delay  
Video Level

75 Ohms  
4.35 MHz  
60 nS  
1 Volt p-p