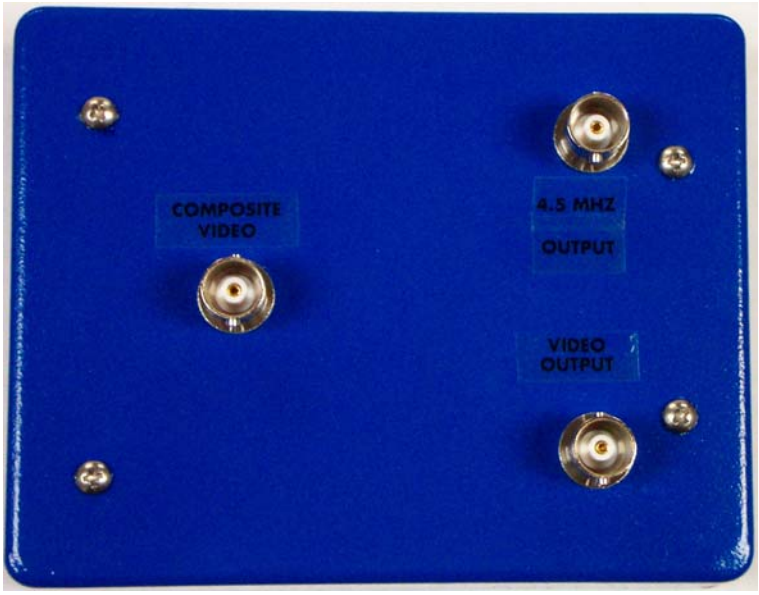
BSF45



BAND SPLITTING FILTER

The BSF45 BAND SPLITTING FILTER is a device that separates the 4.5 MHz FM subcarrier from a Composite video signal, so that they can be used separately. The input is 4.5 MHz TV audio multiplexed on base-band video. Video with no 4.5 MHz audio subcarrier appears at one BNC output. The 4.5 MHz TV sound subcarrier with no video appears at the other BNC output.

The BSF45 is ideal for splitting Composite Video from microwave or other composite sources into TV modulators that require separate base-band video and 4.5 MHz TV audio inputs. This unit can also be used to combine a 4.5 MHz TV audio subcarrier with Base-Band video to make composite video.

This unit will allow you to process video through Time-Base Correctors or Proc. Amps without causing SYNC-BUZZ in your TV audio. This is accomplished by by-passing the 4.5 MHz TV audio around the video Processors that would otherwise interrupt the aural subcarrier.

The BSF45 is fully RF shielded in a die cast aluminum box and is equipped with input and output BNC connectors. It is a passive filter so no power source is required.

INPUT	**SPECIFICATIONS**
Impedance	75 Ohms
Signal	NTSC Composite Video
Video Level	1 Volt p-p

VIDEO OUTPUT	
Impedance	75 Ohms
Pass-band	4.35 MHz
Chromanance Delay	60 nS
Video Level	1 Volt p-p

TV AUDIO SUBCARRIER OUTPUT	
Impedance	75 Ohms
RF Pass-band	170 KHz
Level	-6 dB