

# WOOD & DOUGLAS

VHF/UHF COMMUNICATION PRODUCTS

FIF 1

0485

The FIF 1 demodulates a frequency modulated sound sub-carrier at 6MHz into audio outputs feeding both 600 ohm and 8 ohm impedances.

The board is compatible with the VIDIF processor board and requires only a connection to the 6MHz output from this board.

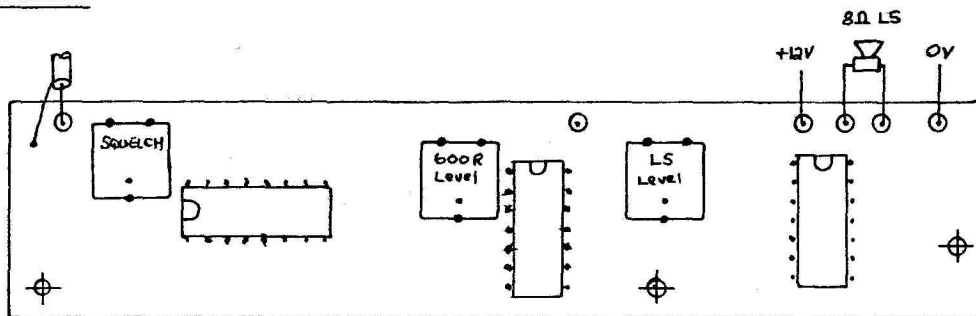
## Specification

6MHz Input	:	Typically 50mV RMS of Sub-carrier signal
Audio Outputs	:	8 ohm and 600 ohm as standard
Power Requirements	:	12 Volts @ 35mA with no input
Sub-Carrier Frequency	:	6MHz as standard
Board Size	:	1.1" x 5.0"

## Adjustments

1. Squelch threshold.
2. Audio output level: (a) 8 ohm load  
(b) 600 ohm load

## Connection Details



N.B.

VIDIF boards have been issued in some batches with C28 as 150pF. When used at 6MHz with the 1731 coil the value of C28 should be increased to typically 560pF. Fitting two 270pF components for C28 is usually adequate. There are component placings for two components on the PCB. Components are enclosed for this modification should they be needed.

