

# IFS-3

## Multiple Output Modulator

- Video I.F., Audio I.F. & Composite I.F. Distribution
- 4.5 MHz Audio Subcarrier
- Only 1 U Rack Space
- Front Panel LED



Trilithic's IFS-3 is a special purpose, multiple output modulator designed specifically for operation in the Trilithic EASy System. The IFS-3 occupies only 1 U of headend rack space and is deployed in systems where dual I.F. substitution or composite is required. The I.F. signals are distributed to the modulators by way of Trilithic's EASy I.F. Distribution System.

The IFS-3 accepts baseband video and audio inputs from the Trilithic EASyPLUS series and provides individually accessible 4.5 MHz audio subcarrier, video I.F. at 45.75 MHz and audio I.F. at 41.25 MHz signal outputs. The I.F. signal is appropriate for injection into the video I.F. or audio I.F. inputs of any dual I.F. loop NTSC modulator. Includes composite I.F.

The 4.5 MHz Audio subcarrier is suitable for use in any application where a 4.5 MHz audio subcarrier is required.

### SPECIFICATIONS (P/N 2010787001)

**Video I.F. Frequency:** 45.75 MHz  $\pm$  1.5 kHz Max.

<b>Video I.F.</b>	+45 dBmV Min.
<b>Video I.F. Adjustment</b>	-15 dB Min.
<b>Composite I.F.</b>	+45 dBmV Min.
<b>Composite I.F. Adjustment</b>	-15 dB Min.

**Aural I.F. Frequency:** 41.25 MHz  $\pm$  500 Hz Max.

<b>Aural I.F.</b>	35 dBmV Min.
<b>Aural I.F. Adjustment</b>	-20 dB Min.

**4.5 MHz Aural Subcarrier:** 4.50 MHz  $\pm$  500 Hz Max.

<b>4.5 MHz Aural Subcarrier</b>	40 dBmV Min.
<b>4.5 MHz Adjustment</b>	-15 dB Min.

\* Audio Modulation set to 25 kHz p-p Deviation.

\* Picture / Sound Ratio set to 15  $\pm$  1 dB.