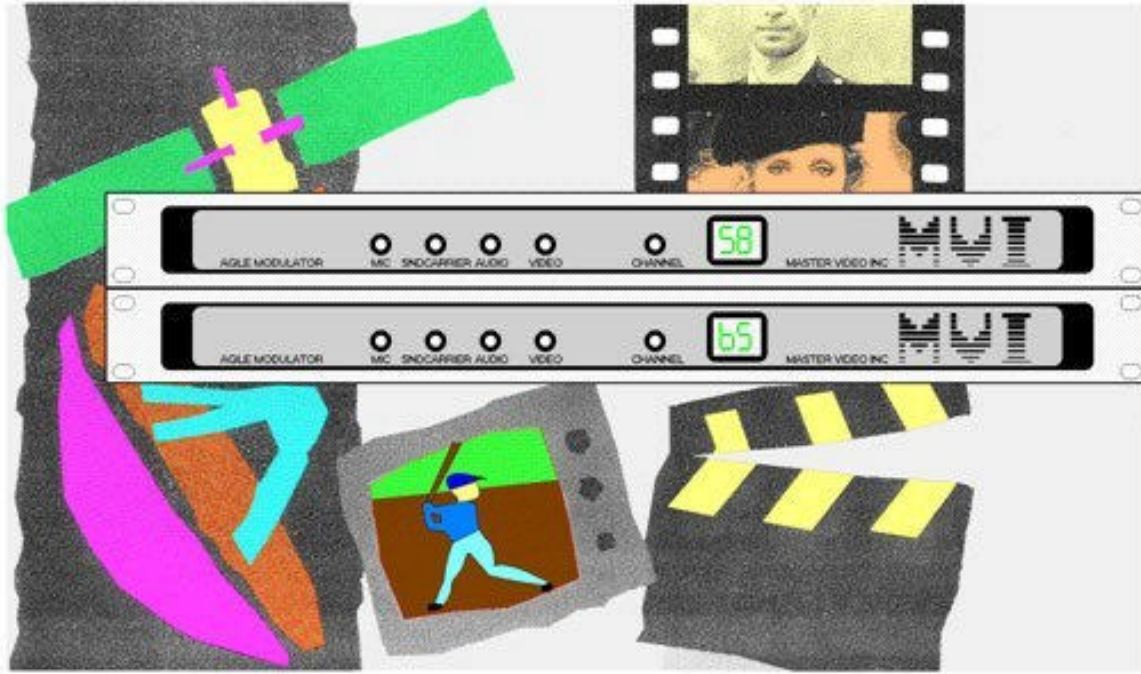


**AGILE MODULATOR**

**MM303**



## Technology at your fingertips

The **MUT** series MM303 are SAW-filtered adjacent channel modulators designed for CATV, MATV and Closed Circuit systems. Signals are combined with the MVI mixer network giving superior performance with high isolation.

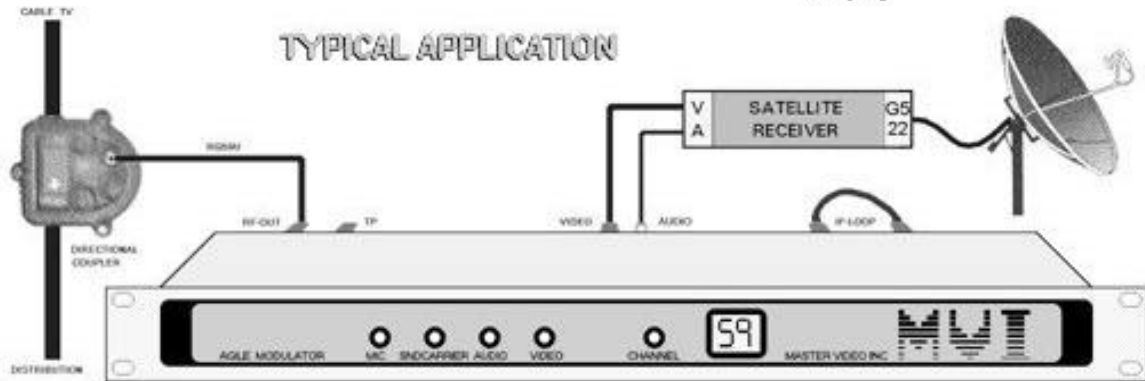
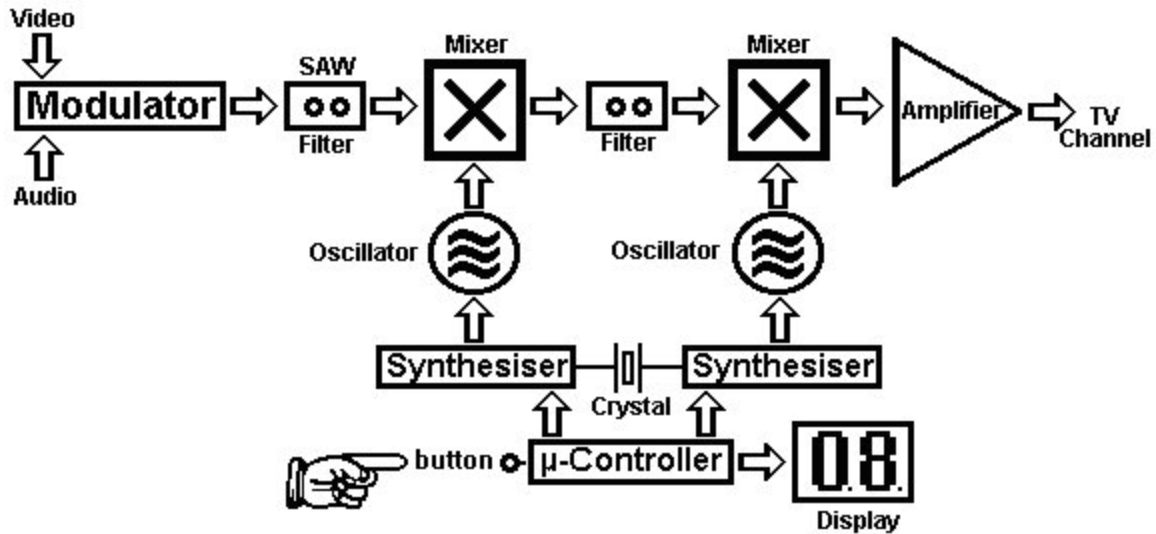
Channel selection is by convenient front panel button and last channel entry is stored in non-volatile memory. The synthesizer is micro-computer controlled for carrier accuracy and crystal referenced for carrier accuracy. Front panel controls set levels for video modulation, sound carrier and audio.

A special watchdog circuit makes sure that the microcomputer is

working correctly and would reset itself automatically. The IF-loop allows easy placement of a scrambling interface. Agility allows maximum flexibility in altering system channel line-ups and instant replacement on a fixed channel system.

An RS-232 optional interface connection makes it possible to remotely change channels and read the status via computer. Baud rates are auto detected. This series is made in the TV-standards NTSC, PAL and SECAM. Application notes are available from Master Video Inc.

This all adds up to "Technology at your Fingertips".



## SPECIFICATIONS:

TV-NORM	: NTSC, also available in PAL and Secam
FREQUENCY RANGE:	MM303 : 50-300 MHz, Channels 02-36 and 95-99
OUTPUT SIGNAL LEVEL	: +55 dB/mV adjustable
SPURIOUS OUTPUT	: -60 dB with Mixer Network
BROADBAND NOISE	: -75 dB with Mixer Network
FREQUENCY STABILITY	: +/- 1 KHz
VIDEO INPUT LEVEL	: .5V to 1.25 V, 75 Ohms unbalanced, Negative Sync.
DIFFERENTIAL PHASE	: 2 deg.
COMPOSITE IF-LOOP	: 25 dB/mV
AUDIO INPUT	: 0 dBm/600 Ohm [Adjustable], RCA - Connector
AUDIO DISTORTION	: 1 % at 25 KHz
OPTION RS-232 INTERFACE	: DB-9 connector
BAUD RATE	: 300 to 9600 auto detect 7 + 8 bits, 1 or 2 stop bits
POWER	: 117 V (220 V) / 13 W - Loop through receptacle
ENCLOSURE	: 1.75 in. x 19 in. rack mount. [specs. subject to change]



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