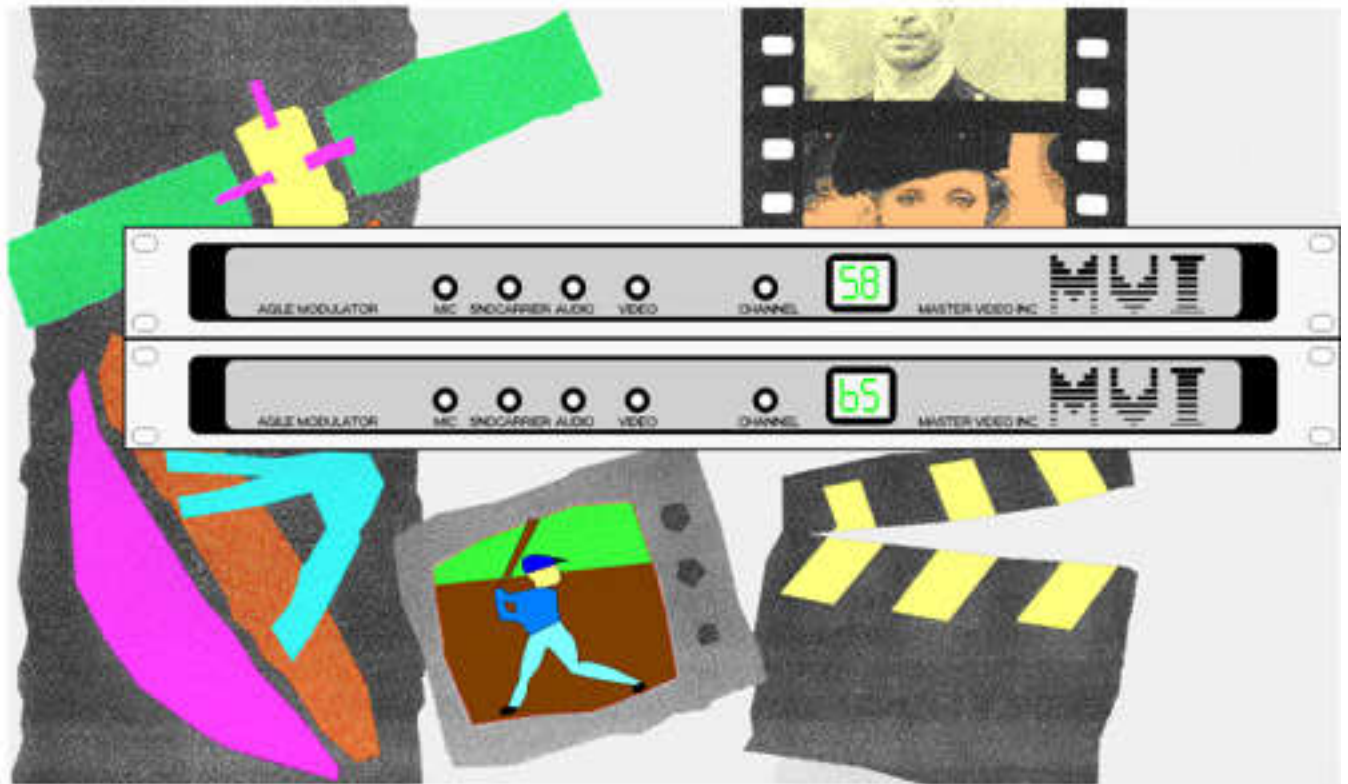


## AGILE MODULATOR

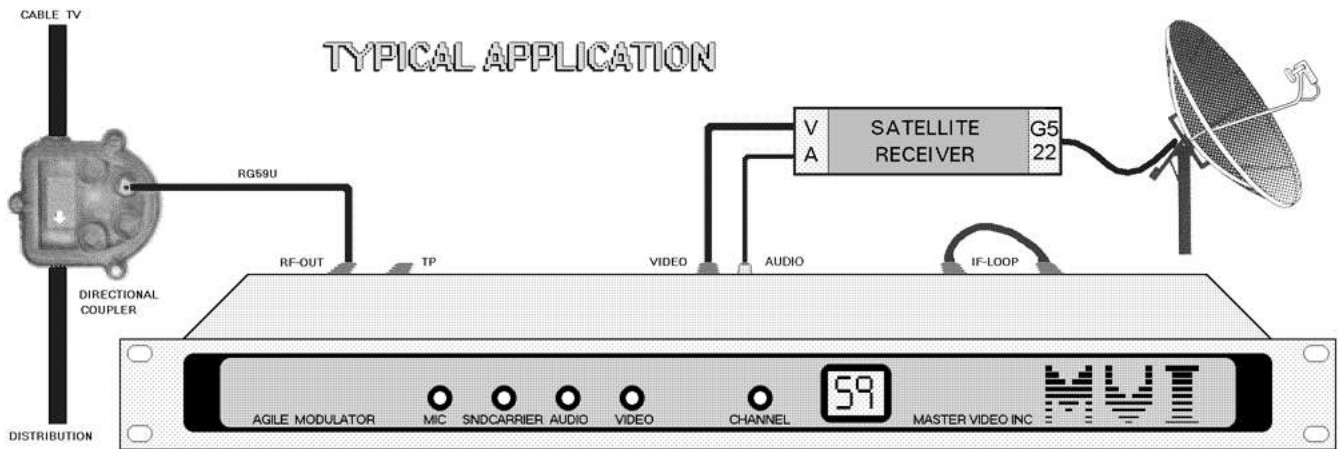
## MM303 & 653



## Technology at your fingertips

The MM303 / MM653 are SAW-filtered adjacent channel modulators designed for CATV and 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 microcomputer controlled and crystal referenced for carrier accuracy and stability. Front panel controls set levels for video modulation, soundcarrier and audio.

A special watch dog circuit makes sure that the microcomputer is working correct 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 of fixed channel equipment. The 303 series is agile to 300 MHz and the 653 series is agile to 650 MHz. This series is available in the world TV-standards NTSC u.s./jap., PAL B/G, D/K, I, M, N, and SECAM.



## SPECIFICATIONS

TV-NORM	: NTSC, (PAL and Secam available for Export)
FREQUENCY RANGE	
MM303	: 50-300 MHz, Channels 02-36 and 95-99
MM653	: 50-650 MHz, Channels 02-94, 95-99 and UHF14-43
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
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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