


Modelo: SVM860/S	ESPECIFICACIONES TECNICAS	
Fecha: 2013		
Hojas 1 de 2		
Asunto	Modulador Ágil- 54-860Mhz.	

Features

- Re-broadcast quality performance specifications match those of fixed channel modulators
- Integrated BTSC Stereo (optional)
- 60 dBmV output for optimum carrier-to-noise performance
- Precision SAW filter for superior adjacent channel performance enables drop-in channel expansion
- State-of-the-art digital phase-locked loop (PLL) design guarantees precise drift-free operation
- Superior design including automatic band-splitting filters for excellent carrier-to-noise ratio (>65 dB)
- Bright LED bar graph provides simple modulation set-up separate video, audio left right
- Microprocessor tuning control provides digital display with push-button channel selection for ease of installation, configuration and servicing
- Rear panel interfaces accept baseband video and three audio formats to provide maximum installation flexibility
- Composite and separate audio and video IF loops allow compatibility with encoders, ghost cancellers and video override applications
- Both EIA STD and HRC frequency plans included

SVM860 SVM860S



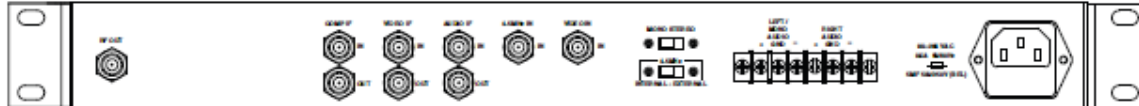
Agile Modulator

The **SVM860** agile modulator is a frequency agile audio/video professional re-broadcast grade, microprocessor controlled CATV modulator. Attractive and easy to operate, the sleek design highlights the useful front panel modulation bar-graphs and channel indicators. The simple push button tuning interface allows the **SVM860** to be configured for CATV standard, HRC, and IRC or North American broadcast channels with an RF output of 60 dBmV. The front panel output test point provides a quick reference test point prior to channel combining equipment, saving time and service interruption during setup and maintenance. The **SVM860** features rear panel interface connections for input of NTSC video and monaural and discrete left and right audio. The integrated stereo encoder (optional) will provide a BTSC stereo encoded output channel. 4.5 MHz (modulated) audio input connections are provided to bypass the internal stereo encoder for compatibility with external units; additionally, the MPX loop is useful when used with the **EAS-12B** emergency override system. A composite audio/video IF loop provides compatibility with scrambling encoders, ghost cancellers, and IF override applications.

SVM860/SVM860S



Front Panel



Rear Panel

PRODUCT SPECIFICATIONS

RF OUTPUT

Frequency Range	54-860 MHz
Channels	CATV 2-135
Level	60 dBmV min
Level Adjustment	20 dB
Impedance	75 ohms F-female
Frequency Stability	±3 kHz
Audio/Video Ratio	-10 to -20 dB Adjustable
Output Return Loss	-18 dB
In Band Spurious	-62 dB
Out of Band Spurious	-65 dB
VSB Response	-60 dB min
C/N (In-Band)	>62 dBc
C/N (Out-of-Band)	>65 dBc

IF OUTPUT

Video Level	38 dBmV
Audio Level	22 dBmV
Composite Level	35 dBmV
Video Stability	±3 kHz
Audio Stability	±2 kHz
Impedance	75 ohms

4.5 MHz INPUT

Level	37 dBmV
Impedance	75 ohms

VIDEO INPUT

Level	.7-1.0 V p-p
Frequency Response	±1.0 dB max
Impedance	75 ohms
Differential Gain	<2% typ
Differential Phase	<1° typ
Chrom / Lumin Delay	±8 ns
Hum and Noise	-60 dB
Connector	BNC 75 ohm

AUDIO INPUT

Level – Left/Mono Audio	0.5 V p-p – 1 V p-p
Level – Right Audio	0.5 V p-p – 1 V p-p
Frequency Response	±1.5 dB max
Impedance	600 ohms terminal strip
Preemphasis	75 µs switchable

BTSC STEREO

Frequency Response	1 dB, 50 Hz – 14 kHz
Total Harmonic Distortion	<0.3%
S/N	75 dB
Separation	35 dB, 50 Hz – 12 kHz

GENERAL

Power Input	90-260 VAC, 28 W
Operating Temperature	-10°C to 50°C
Dimensions	19"(L) x 12"(D) x 1.75"(H)
Weight	7.8 lbs.

ORDERING INFORMATION

SVM860	Agile Modulator
SVM860S	Agile Stereo Modulator

RELATED PRODUCTS

SVM550
TVM860(S)
Stratum II