

AV-860M SAW FILTER AGILE MODULATOR



➔ Features:

- Advance Technique and newest circuit design;
- Output Frequency Adjustable between 47MHz and 870MHz, easy to setup;
- Three digits LED for channel display;
- IF Modulate Assure Superiority Capability;
- PLL Technique is applied to Audio IF, Video IF and Local Oscillator to ensure high Frequency Stability;
- Clamp Circuit with High Anti-hum Performance;
- 19 EIA Rack Mountable

➔ Description:

The AV-860M is a professional quality agile modulator, which can be used as an alternate IF input and is specially designed for use of Head-end systems of CATV.

This product provides audio and video modulated RF carrier on any channel in the 47 to 870MHz frequency range. Many standard audio/video sources can be used, such as satellite receivers and video tape recorders. This modulator has a wide range of standard and optional features and makes it very suitable for advanced MATV, SMATV or CATV systems.

➔ Specifications:

Items	Unit	Specifications	Items	Unit	Specifications
Output Frequency	MHz	47-870	Differential Phase		±4% (87.5% Modulation)
Frequency accuracy	KHz	±5	Video Frequency Response	dB	≤1 (Within 5MHz)
Output Level	dBμV	115	Audio Input Level		0±10
Output Impedance	Ω	75	Audio Input Impedance	dBm	10k Ωmin
Output Return Loss		>12dB	Audio Band Flatness	dB	±1dB max (40Hz-15KHz)
Audio to Video Carrier Ratio	dB	-10 ~ 20	Distortion		≤1%
Video Input Level		0.6-1.5 Vp-p	Signal to Noise Ratio	dB	-60
Video Output Impedance	Ω	75	Difference of Video/Audio		5.5MHz±2KHz
Video Output reflection	dB	>30dB	Video S/N	dB	≥50
K coefficient		4% (2T pulse)	Power Supply		100-250Vac, 50Hz, 15W max
Signal to Noise Ratio	dB	60	Operation Temperature & Humidity		0C~45C ` 5%~75%
C/L Delay		40nsec	Storage Temperature & Humidity		-20C~70C ` ≤80% (Without Acidity Substance)
Band Flatness	dB	±1dB	Mechanical Dimensions	MM	440 x 268 x 44
Differential Gain		±4% (87.5% Modulation)			