



# PFAM550SUB

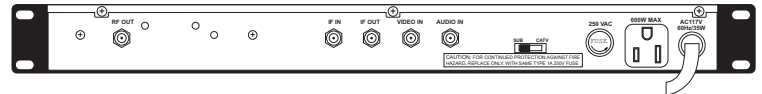
## 550 MHz Agile A/V Modulator With Sub-Band

### Features

- 60 dBmV Minimum output for a 64 dB in-band carrier to noise ratio provides superior picture quality
- 89 Channel frequency range 5.75 to 550 MHz (CATV T7-13, 2-13, A1-A5, A-PPP)
- Sub-band operation enables remote TV origination, making it ideal for institutional cable systems
- Front panel DIP switch-controlled phase-locked loop for solid drift-free output on any channel
- SAW filtered for superior adjacent channel performance enables drop-in channel expansion
- Front panel test point for easy RF level system monitoring
- Composite audio-video IF loop provides compatibility with encoders, ghost cancelers and video-override applications
- IRC and HRC offsets available allow for easy frequency settings in systems using offset channels
- Double heterodyne conversion provides superior spurious harmonic output suppression
- BTSC stereo compatible pre-emphasis disable switch provides pass-through for stereo signals
- UL Approved



Front View



Rear View

### Specifications

Output Frequency Range	5.75 to 550 MHz
Tuning	Agile
RF Output Level (min)	60 dBmV
Carrier to Noise (In-band)	64 dB
Carrier to Noise (Out of band)	66 dB
Spurious Output	> 65 dB
Composite IF Output Level	30 dBmV
Video Frequency Response	$\pm 1.5$ dB
Video Signal to Noise	53 dB
Audio Input Type	Monaural/MTS Baseband

Audio Frequency Response	50 to 15,000 Hz
Video Input Connection	75 $\Omega$ F-Female
Audio Input Connection	5K $\Omega$ F-Female Unbalanced
RF Output Connection	75 $\Omega$ F-Female
Voltage Input	90 to 240 VAC
Power Output Receptacle	Yes
Dimensions	19" (L) x 12" (D) x 1.75" (H)
Weight	8.5 lbs.

### Ordering Information

- PFAM550SUB** 550 MHz Agile A/V Modulator With Sub-Band
- PFAM550** 550 MHz Agile A/V Modulator
- PFAM550MT** 550 MHz CATV Microprocessor-Control Agile A/V Modulator