



MODAM ODI



550MHz Channelized-Agile PLL SAW-filtered A/V Modulator



- 90-Channel Range 5.75-550 MHz (CATV T7-T13, 2-78, 95-99)
- Full 55dBmV output for optimum carrier-to-noise performance
- In-band carrier-to-noise ratio >62dB ensures superior picture quality
- BTSC Stereo Compatible pre-emphasis disable switch provides pass-through for stereo signals
- Highly accurate DIP switch controlled digital phase-locked loop (PLL) design guarantees precise frequency locking for solid driftfree operation
- SAW filtered IF for superior adjacent channel performance enables drop-in channel expansion
- Easy lab retuning of output filter for reduced inventory of spares and less down time
- Front panel controls and test point enable easy setup and monitoring
- IRC and HRC offset available for frequency settings in systems using offset channels
- Auxiliary AC outlet for convenience
- Optional PAL format channels available



# PCM55SAW

#### 550MHz Channelized-Agile PLL SAW-filtered A/V Modulator

The Pico Macom PCM55SAW is a professional grade microprocessor controlled phase-locked loop synthesized channelized-agile audio-video modulator. The PCM55SAW provides a full 55dBmV minimum output from sub-band channels T7 through T13, and CATV channels 2 to 78 including channels 95 to 99 while accommodating HRC and IRC offset frequencies (5.75-550MHz). The unit is lab re-tunable within band via internal dip-switch channel selection and minimum output filter retuning. This modulator is used in more heavily channel-loaded systems and where cost effective expansion up to 550MHz is desired. Its phaselocked loop frequency control, and superior SAW filtering enhances stability, minimizes adjacent channel interference and assures accurate and spurious free output. The modulator is equipped with a pre-emphasis disable switch which enables pass-through of high-fidelity BTSC stereo signals where available. Superior out-of-band carrier-to-noise performance is achieved through bandpass filtering at the output amplifier. The modulator is shipped with all internal adjustments preset. FCC Docket 21006 offsets are standard. Pico Macom backs up this product with its industry leading 5-year limited warranty.

Available through Multicom, Inc. 1076 Florida Central Parkway, Longwood, FL 32738 Ph: 407-331-7779 Toll Free: 800-423-2594 Fax:407-339-0204 www.multicominc.com multicom@multicominc.com

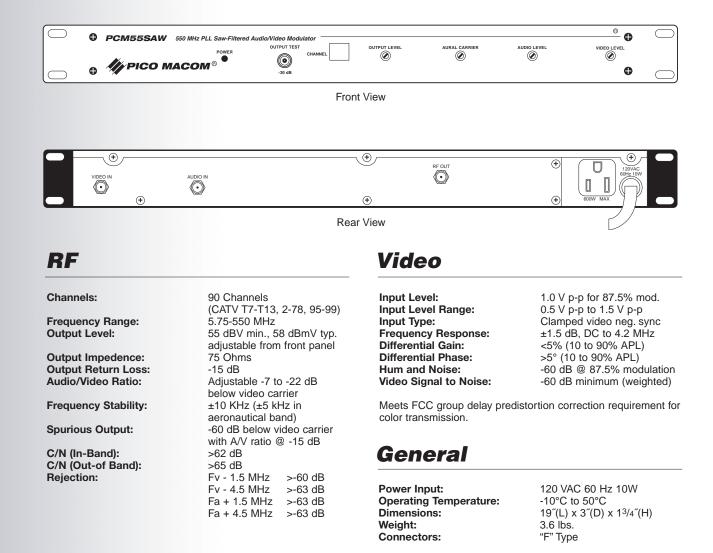


### **Product Specifications**



PGM 555

550MHz Channelized-Agile PLL SAW-filtered A/V Modulator



#### Audio

**A-8** 

Rev. 12/02

**Frequency Response:** Harmonic Distortion: **Preemphasis:** Signal to Noise Ratio: Audio Baseband Impedance: Input Level:

±0.4 dB @ 50 Hz to 15 kHz 0.5% @ 50 Hz to 15 kHz 75 microseconds 60 dB 600 Ohms 0.5V p-p for 25 KHz peak deviation

## **Ordering Information**

PCM55SAW -

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Channel

Specifications Subject to Change

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