

**PM45** 

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806MHz Channelized-Agile PLL SAW-Filtered A/V Modulator



- 125-Channel Range 54-806 MHz (CATV 2-125)
- 45dBmV adjustable output for optimum carrier-to-noise performance
- Composite audio-video IF loop provides compatibility with encoders, ghost cancellers, and video override applications
- BTSC stereo compatible preemphasis disable switch provides pass-through for stereo signals
- SAW filtered for superior adjacent channel performance enables drop-in channel expansion
- Digital phase-locked loop (PLL) design guarantees precise frequency locking for solid drift-free operation
- Front panel controls and test point enables easy setup and monitoring
- Audio and video over-modulation indicators for quick performance reference
- In-band carrier-to-noise ratio >60dB ensures superior picture quality
- IRC and HRC offset available for frequency settings in systems using offset channels
- Auxiliary AC outlet for convenience

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## 806MHz Channelized-Agile PLL SAW-Filtered A/V Modulator

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The **Pico Macom PM45** is a professional grade phase-locked loop synthesized channelized-agile audio-video modulator. This modulator provides 45dBmV minimum output on CATV channels 2 to 125 (54-806 MHz) while accommodating HRC and IRC offset frequencies. The PM45 features a composite audio-video IF loop, which provides compatiblility with encoders, ghost cancellers, and video-override applications. The unit can be reconfigured to any output channel by qualified service centers. This cost effective modulator can be used to expand systems using PCM55, PCM555AW and PLM55 modulators beyond 300MHz, where the expansion does not require modulators with higher output levels. The **PM45** provides the greater frequency stability and higher adjacent channel performance required in such expansions. The modulator is equipped with a pre-emphasis disable switch which enables pass-through of high-fidelity BTSC stereo signals where available. Its phase-locked loop frequency control, and superior SAW filtering enhances stability, minimizes adjacent channel interference and assures accurate and spurious free output. Superior out-ofband carrier-to-noise performance is achieved through band-pass filtering at the output amplifier. The PM45 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 warranty.



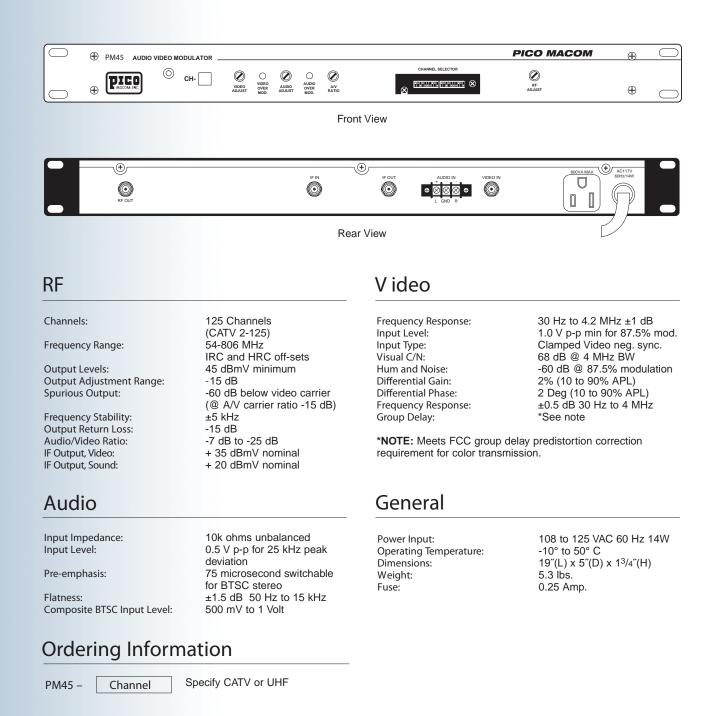
Toll Free: 800-423-2594 www.multicominc.com multicom@multicominc.com

Order From:



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