



PCM55

216MHz Single Channel Crystal Controlled A/V Modulator



- ▶ 31-Channel Range 11.75-216 MHz (CATV T8-T11, 2-22, 95-99)
- ▶ Full 55dBmV output for optimum carrier-to-noise performance
- ▶ In-band carrier-to-noise ratio 60 dB provides superior picture quality
- ▶ Highly accurate crystal controlled oscillator for reliable drift-free operation
- ▶ Superior vestigial sideband filtering improves adjacent channel and overall system performance
- ▶ Front panel test point for easy RF level system monitoring
- ▶ IRC and HRC offset available for frequency settings in systems using offset channels
- ▶ Auxiliary AC outlet for convenience
- ▶ UL Approved
- ▶ Optional PAL format channels available

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The **PCM55** is Pico Macom's legendary workhorse—a cost effective professional grade modulator designed to provide adjacent channel compatibility and FCC Docket 21006 for frequency accuracy. This modulator provides a full 55dBmV output from sub-band channels T8 through T11, CATV channels 2 to 22 including channels 95 to 99 while accommodating HRC and IRC offset frequencies (11.75-216MHz). Modulated channels may be inserted on any unused channel within a closed circuit MATV or SMATV system. High quality external modulation and RF level controls assure years of reliable operation. The modulator is shipped with all internal adjustments preset. **Pico Macom** backs up this product with its industry leading 5-year limited warranty.

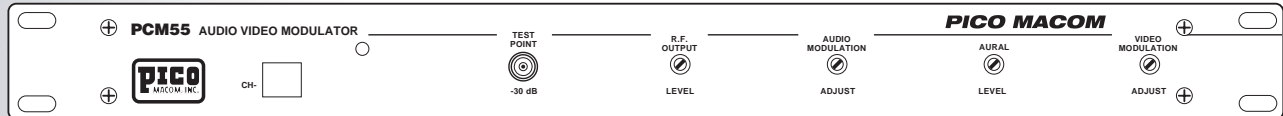
Order From:



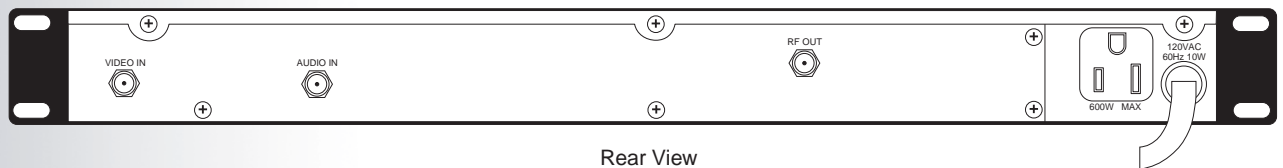
Toll Free: 800-423-2594
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216MHz Single Channel Crystal Controlled A/V Modulator



Front View



Rear View

RF

Channels:	31 Channels (CAVT T8-T11, 2-22, 95-99) FCC Docket 21006 offsets, HRC & IRC offsets
Frequency Range:	11.75 - 216 MHz
Output Level:	45 to 55 dBmV
Output Impedance:	75 ohms
Audio/Video Ratio:	Adjustable -7 to -18dB below video carrier
Frequency Stability:	±5 kHz in aeronautical band Conforms to FCC Docket 21006
Spurious Output:	60dB below video carrier with A/V ratio @ -15 dB

Audio

Baseband Input Impedance:	600 ohms unbalanced
Baseband Input Level:	0.5 V p-p for 25 kHz peak dev.
Pre emphasis:	75 microsecond
Flatness:	1.5 dB (50 Hz to 15 kHz)

Ordering Information

PCM55 - Channel

Video

Input Level:	1.0 V p-p min for 87.5% mod.
Input Type:	Clamped video neg. sync
Visual C/N:	60 dB @ 4 MHz BW
Frequency Response:	±1.5 dB (30 Hz to 4.2 MHz)
Hum and Noise:	-60 dB @ 87.5% modulation

Meets FCC group delay predistortion correction requirement for color transmission.

General

Power Input:	108 to 125 VAC 60 Hz 20W
Operating Temperature:	-10°C to 50°C
Dimensions:	19"(L) x 3"(D) x 1 ³ / ₄ "(H)
Weight:	3.8 lbs.
Connectors:	"F" Type

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