



MPCD

Universal-Chassis Agile A/V Mini-Demodulator

- 125-Channel Range 54-806 MHz (CATV 2-125)
- Single-slot design allows up to 12 or 16 units in Pico Macom's MPC12, MPS12, MPC12R and MPC16 chassis
- Fully compatible with most other manufacturers "mini-mod" chassis
- Keyed AGC system provides excellent picture stability
- >60dB signal-to-noise ratio for crisp, sharp picture
- Separate video and audio outputs provide maximum flexibility
- Easy setup and configuration using front panel audio and video deviation controls
- Microprocessor control with push-button channel selection provides ease of installation, configuration, and servicing
- Digital display provides quick channel identification
- State-of-the-art digital phase-locked loop (PLL) design guarantees precise frequency locking for solid drift-free operation
- SAW filtered for precise adjacent channel rejection
- Envelope detection ensures exceptional differential gain and phase



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The Pico Macom MPCD is a frequency agile professional grade, microprocessor controlled CATV mini demodulator. The unit accepts any NTSC television signal in the 54-806MHz frequency-range converting it to baseband video and audio, while maintaining over 60dB S/N ratio. Up to 12 or 16 units can be installed "mix-and-match" in Pico's **MPC12**, **MPS12**, **MPC12R** and **MPC16** chassis with **MPCM45** and **MPCMA** mini-modulators. Its unique design enables it to be installed in other manufacturers' mini-mod chassis. The unit's phase-locked-loop frequency control, envelope signal detection, and superior SAW filtering minimize adjacent channel interference and assure accurate and spurious free performance. IRC or HRC offsets can be activated via push-button switches on the front panel. The unit's PLL circuitry in conjunction with the non-volatile memory contained in the microprocessor ensures easy and reliable channel selection and restoration. The MPCD demodulator is shipped with all internal adjustments preset. Pico Macom backs up this product with its industry leading 5-year limited warranty.

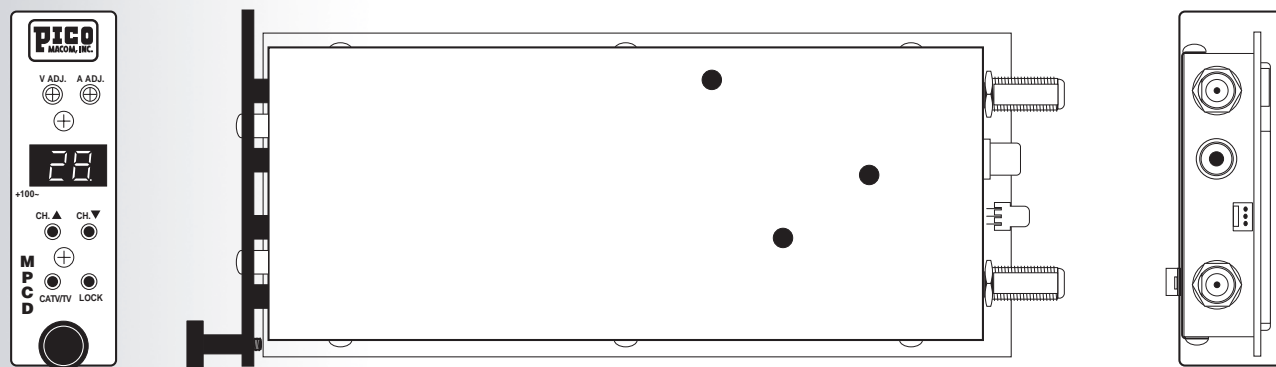
Order From:



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RF

Channels:	125 Channel (CATV 2-125)
Input Frequencies:	54 – 806 MHz
Input Impedance:	75 Ohms
Noise Figure:	5 dB-VHF Band, 7 dB-UHF Band
Input Return Loss:	14 dB-VHF Band, 8 dB-UHF Band

Video

Video Output Impedance:	75 Ohms
Video Output Level:	1.0 V p-p
Video S/N:	-60 dB minimum (weighted)
Differential Gain:	<5% (10 to 90% APL)
Differential Phase:	<5° (10 to 90% APL)
Chrominance Luminance delay:	See note

Note: Meets FCC group delay predistortion correction for color transmission.

Audio

Audio Output Impedance:	600 Ohms
Audio Output Level:	800 mV minimum
Deemphasis:	75 microseconds
Flatness:	1.5 dB max. 50 Hz to 15 kHz

General

Power Input:	+12 Vdc, +5 Vdc
Operating Temperature:	-10° C to +50° C
Dimensions:	2.07"(W) x 8"(D) x 3.45"(H)
Weight:	0.7 lbs.
Connectors:	Video Out - F type, Audio Out - RCA, Power-center 3-pin receptacle

Ordering Information

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