



# XUV

## Single Channel UHF to VHF Converter



- ▶ **55 Channel Input Range**  
470-806 MHz (TV UHF 14-69)
- ▶ **37 Channel Output Range**  
54-300MHz (TV VHF 2-36)
- ▶ **47dBmV output with built-in 20dB gain improves carrier-to-noise performance**
- ▶ **BTSC stereo compatibility for pass-through of stereo signals**
- ▶ **Internal DIP switch controlled PLL-design guarantees precise frequency locking for solid drift-free operation**
- ▶ **Test point enables easy system monitoring**
- ▶ **Lab re-tunable for easy system setup**
- ▶ **UL Approved**

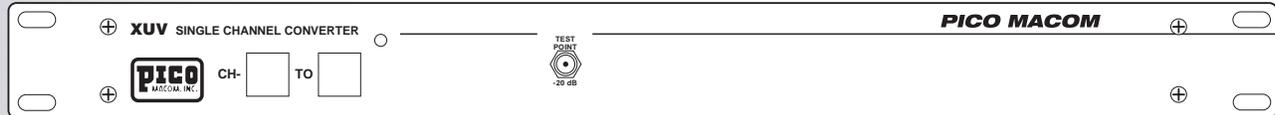
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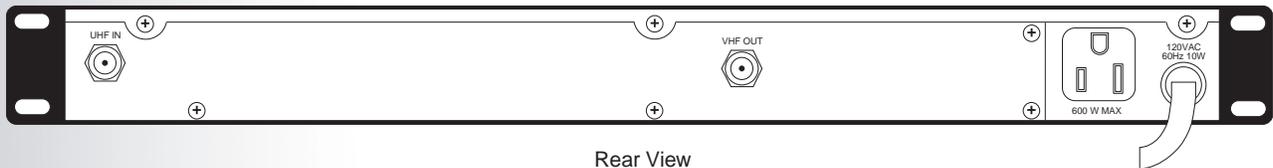
The **Pico Macom XUV** is a professional grade, very cost effective phase-locked loop synthesized channel converter which translates a single UHF channel to VHF. When used with a band-pass filter (**Pico Macom BPF**), the unit's excellent frequency stability and skirt selectivity make the **XUV** ideal for adjacent channel headend systems. The unit can be reconfigured to any channel within band by qualified service centers. With 20 dB of built-in gain, the **XUV** can be used in smaller cable systems without the cost of additional amplification. In medium to larger systems, improved selectivity and automatic gain control are achieved when the **XUV** is followed by a single channel band-pass filter and strip amplifier (**Pico Macom's BPF and XBS**). **Pico Macom** backs up this product with its industry leading 5-year limited warranty.

# XUV

## Single Channel UHF to VHF Converter



Front View



Rear View

### Specifications

Gain:	20 dB
Bandwidth:	6 MHz
Skirt Selectivity:	±6 Channels: -60 dB
	±3 Channels: -50 dB
	±2 Channels: -25 dB
Maximum Output:	47 dBmV
Channel Conversions:	
	UHF Input: Channels 14-70
	VHF Output: Channels 2-13, A-I, J-W
Frequency Stability:	±5 kHz
Noise Figure:	12 dB
Return Loss:	Input: 14 dB (on channel)
	Output: 14 dB (on channel)
Impedance:	75 Ohms

### General

Power Input:	108-120 Vac 60 Hz, 3 W
Operating Temperature:	-10° to 50° C
Mounting:	Single 19" Rack Space
Dimensions:	19"(L) x 3"(D) x 1 3/4"(H)
Weight:	4.0 lbs.
Connectors:	"F" type
Output Test Point:	-20 dB

### Ordering Information

XUV - Channel - Channel