



# P379 - Larcac

## Agile Processor

### Technical Specifications

- **Selectable Channels 800MHz**
- **Analog Television Processor**
- **+60dBmV Output**

### Processor Features

The P379 LARCAN-USA Processors are Microprocessor Controlled with Self-Diagnostic Monitoring. The Selectable Input Channels receives Off-Air Channels. The Selectable Output Channel options is; Off-Air.

- Input channels Off-Air 2 through 69 (VHF,UHF)
- Output Channels: Standard Cable; Off-Air: 2 through 70 (VHF,UHF)
- SAW Filtered IF: Designed for Adjacent Channel Operation
- TCXO Frequency control Input +/- 150Hz
- +60dBmV Output Using Low-Distortion Hybrid Amplifiers
- Non Volatile Channel Memory
- Synthesized Oscillators - Crystal Referenced Phase Locked
- Digital LED Channel Readout
- Muted RF during tuning
- RS232 Control Option (Daisy-Chain Capability)
- External IF Loop
- Surface Mount Technology (SMT)
- Standard Dimensions for Rack Mount
- Stable low noise with switching power supply 110/220

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### Tuner Section

Input Impedance	75 $\Omega$ , unbalanced
Off-Air Channels	2-97 VHF & UHF
RF Bandwidth	6.0 MHz
Input AGC Range	
With Preamp	Min. -5dBmV, Max: 0dBmV, +20dB $\mu$ V to +60dB $\mu$ V
Without Preamp	Min. -16dBmV, Max: +55dBmV, +80dB $\mu$ V to +60dB $\mu$ V
Input AGC Type	Sync Tip Reference
Recommended Input	0 to +10dBmV, +60 to +70dBmV
Noise Figure	9dB VHF, 10db UHF
Adjacent Channel Rejection	60dB
Image Rejection	60dB
Audio Carrier Adjustment Range	Rlat Response to -10dB from Input levels
Input Frequency Controlled TCXO	+/- 150Hz

### System M/N

### IF Section

Video IF Level	+37dBmV, +97dB $\mu$ V
Audio IF Level	+27dBmV, +87dB $\mu$ V
Return Loss	>14dB
IF Frequency: Video Carrier	45.75MHz
IF Frequency: Aural Carrier	41.25MHz
Video-Aural Spacing	+4.5MHz
Vestigial Sideband Width	0.75MHz
Second IF Frequency	945.75MHz

### RF Section

Output Frequency	2-70 VHF & UHF
Loss of Input signal	Automatically shuts down Output signal
Frequency Tolerance	+/- 1KHz
Output Level (Adjustable)	+60dBmV (+120dBmV) Output
Impedance	75 $\Omega$
Spurious Output	<-60dBc
Return Loss	>14dB
Manually Control	+/-10KHz or +/-20KHz offset

### Mechanical and Power

Power	110/220 VAC 50-60HZ 6W
Operating Temperature	40°F to 110°F
Standard Dimensions	19"W x 1.75"H x 14"D
Metric Dimensions	48.22cm x 4.44cm x35.56cm
Weight	12 pounds (5.4kg)
Rack mount	Standard 19" Rack

### Channel Tuning

Tuned channel number is displayed by 3-number LEWD on front panel. Input and output channels are displayed independently. Unit incorporates 3-second tuning delay circuit to minimize inadvertent channel changes.