



P-389D Processor

Technical Specifications

- **Selectable Frequencies • 756MHz**
- **Digital QAM Processor • Saw Filtered**
- **+60dBmV Output with Amplifiers**

Processor Features

The CADCO P-389D Processors are Microprocessor Controlled with Self-Diagnostic Monitoring.

- Inputs: Selectable Input Frequency from 7MHz to 756MHz
- Outputs: Selectable Input Frequency from 7MHz to 756MHz
- SAW Filtered IF
- +60dBmV Output Using Low-Distortion Hybrid Amplifiers
- Non-Volatile Channel Memory
- Synthesized Oscillators - Crystal Referenced Phase Locked
- Digital LED Readout
- RF Muted During Tuning
- RS 232 Control Option with Daisy Chain Capability
- Manual Gain Control

Video Section

	System M/N
All QAM, QPSK and 8 VSB Formats	
Input Impedance	75 ohms, unbalanced
Input Frequencies	7 - 756 MHz
R.F. Bandwidth	6.0 MHz
Input Range	0 to +20 dBmV, +60 to +80dBmV
Recommended Input	0 to +10 dBmV, +60 to +70dBmV
Noise Figure	9dB VHF, 10dB UHF
Image Rejection	60dB

IF Section

IF Level	+37 dBmV, +97 dBmV
Return Loss	>14 dB
IF Center Frequency	41.0 to 47.0 MHz
Second IF Center Frequency	944 MHz

RF Section

Output Frequency	7-756 Mhz
Frequency Tolerance	+/- 3 KHz
Output Level: Measured to Peak of Pilot	+60 dBmV
Adjustable	+120 dBmV
Output Impedance	75 ohms, unbalanced
Spurious Output	<-60 dBc
Return Loss	>14 dB

Mechanical and Power

Rack Mounting	For Standard 19" Rack Mounts
Standard Dimensions	19"W x 1.75"H x 14"D
Metric Dimensions	(48.26cm x 4.44cm x 35.56cm)
Weight	12 pounds (5.4 kg)
Power	115/240 VAC 50/60 Hz 43 watts
Operating Temperature	40 to 110 degrees F