

TVM1000 TVM1000S



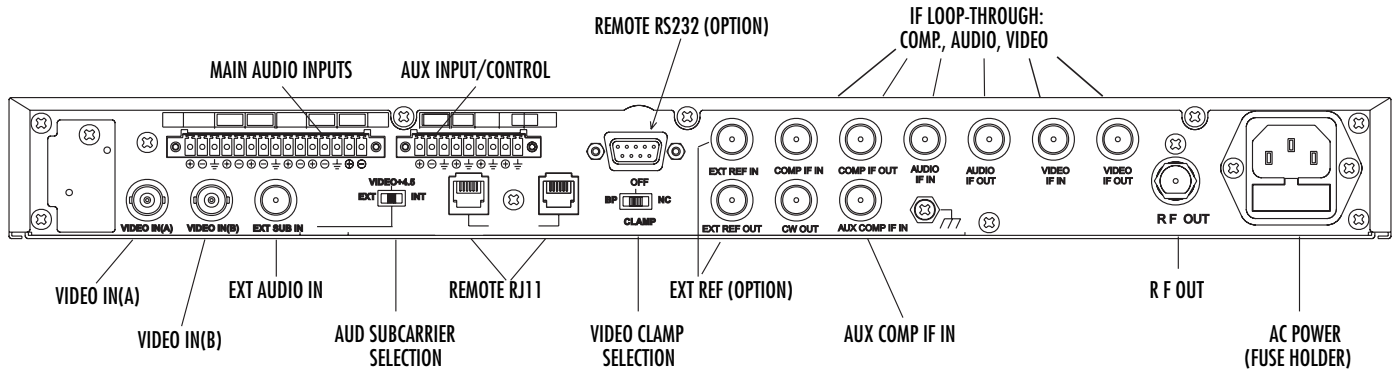
frequency agile CATV modulator

- Covers the entire spectrum from 47 - 1002 MHz in one unit
- EIA, HRC & IRC or custom frequency plans
- Integrated DSP-based BTSC stereo encoder (TVM1000S)
- Integrated SAP & AGC circuits (optional)
- Multiple inputs:
baseband V/A, 4.5 MHz IF, two CIF inputs
- Automatic switching to alternate inputs
- Multiple IF loops are standard
- Contact closure for EAS
- FCC offsets standard or selectable
- External 12 MHz reference input (optional)
- Remote monitoring and configuration
- Automatic RF muting during channel change
- Front panel video, audio & RF test ports
- Seven-year Gold Standard Warranty

other related standard products:

- MT630 Agile IRD SC Satellite Receiver
- MT650 Agile IRDII Satellite Receiver
- TVM550II Agile CATV Modulator
- DUC1000 Dual Digital Upconverter
- DSG2000BD Stereo Generator
- Stratum II Integrated Network Modulation System
- SCM550HP Agile AM-VSB Modulator

TVM1000/TVM1000S



SPECIFICATIONS

RF

- Frequency range47 – 1002 MHz (6 MHz step)
- Output level +50 – +61 dBmV
- Spurious output -61 dBc
- C/N out-of-band +70 dB
- C/N in-band +68 dB
- RF accuracy ±2.5 kHz
- IF CW output45.75 MHz, 53 ±3 dBmV
- IF ref input (optional)12/12.0006 MHz, 10 dBm min.

VIDEO

- Frequency response ±1.0 dB
- Field-time distortion3.0 IRE
- Short-time distortion4.0%
- Differential gain2.0%
- Differential phase1.5°
- Signal to noise ratio63 dB

AUDIO TVM1000

- Frequency response ±1.0 dB
- Input impedance600 ohms/10k ohms
- Input level (25 kHz dev.)0 ± 10 dBm
- Harmonic distortion1.0%

AUDIO TVM1000S

- Frequency response ±0.3 dB
- Input impedance600 ohms/10k ohms
- Harmonic distortion0.2%
- Dynamic range80 dB min.
- Separation34 – 40 dB (50 Hz – 14.5 kHz)

GENERAL

- Voltage115 – 240 VAC, 50 – 60 Hz, 0.5 A
- Power50 W
- Size19" W x 20" D x 1.75" H

* Specifications subject to change without notice. For the latest information go to www.standardcomm.com.

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