



Features



- 1435-1540, 1710-1850, 2185-2485 Mhz
- Fixed Frequency or Frequency Agile
- -92 dBm Sensitivity
- BNC Video/Audio Output Connectors
- 12 VDC Operation
- Single or Dual Audio/Data Subcarriers

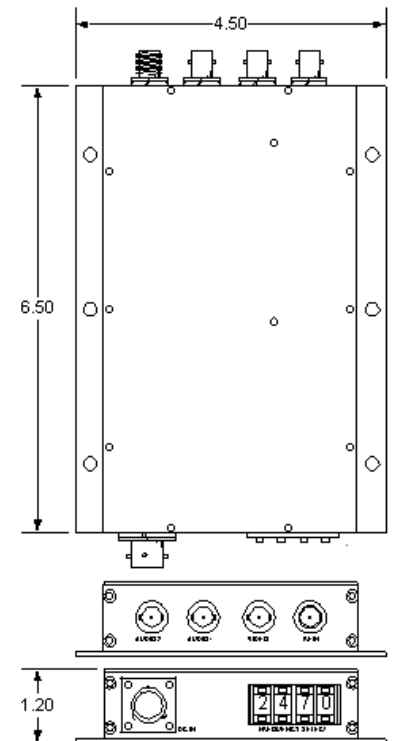


Description

The **VR67** is a low cost video/audio receiver designed for the reception of both color (NTSC) and Black & White video signals in the 1435-1540 MHz, 1710-1850 MHz or 2185-2485 MHz frequency range and audio signals (transmitted on audio sub-carrier).

Its rugged construction is ideal for demanding environmental conditions. The **VR67** receiver sensitivity provides for exceptional range performance. The miniature size and low power consumption make these receivers ideally suited for applications requiring portable operation.

The **VR67** video/audio receiver comes with SEMCO's standard 1-year warranty on parts and labor and provides excellent performance at an affordable price.



Video Electrical Specifications

Frequency Range	1710-1850, 2185-2485 MHz (standard)
Receiver Sensitivity	-92 dBm
Video S/N	>45 dB at -80 dBm RF input
Image Rejection	>60 dB
Noise Figure	6 dB nominal
Maximum RF Input	+10 dBm
RF Input Impedance	50 ohms
Output Impedance	75 ohms
De-Emphasis	Per CCIR-405

Audio Electrical Specifications

Audio Subcarrier	5.5-7.8 MHz, 6.5 MHz (standard)
Frequency Response	50 Hz to 12 kHz (3 dB)
Output Impedance	600 ohms
Output Level	1 Vp-p line level
Output S/N	>50 dB with -80 dBm input

Environmental Specifications

Temperature	-20 to + 70 C
Humidity	95% noncondensing

Power Requirements

Voltage Standard	12 VDC \pm 2V
Current	350 mA (typical)

Connectors

RF In	TNC female
Video Out	BNC female
Audio Out	BNC female
Power Input	PT 102

Mechanical

Size	6.5 x 4.50 x 1.20 inches
Weight	1.25 pounds

Options

Frequency Range	1435-1540 MHz
Second Subcarrier	5.5-7.8 MHz

Specifications subject to change without notice.

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