



Technical Specifications

- The board consist of a stereo FM receiver of up-to-date design, operating in the VHF wave range, carried out with dedicated integrated circuits.
- This panel contain a complete stereophonic FM receiver in the VHF range (88 ÷ 108MHz).
- The circuit correspond to a classic FM receiver that will use commercial integrated circuits and allow the pupil to examine carefully the fundamental points of view of the reception processing of the frequency modulated signals; besides, it is allow to initiate the pupil into the search technique of some typical failures that can be artificially inserted in the receiver itself.

Technical features:

- The receiver of the super heterodyne type shall include: the antenna circuit with varicap tuning, the frequency converter, the intermediate frequency amplifier, the quadrature detector with automatic frequency control.
- Complete with PLL stereo decoder, two audio amplifiers and two loudspeakers.
- A micro switch system, hidden behind a door, shall allow to introduce 8 faults in the receiver circuits.
- Frequency range: from 88 to 108 MHz,
- Intermediate frequency: 10.7 MHz,
- Oscillator: 76 kHz (VCO),
- Output power: 2 x 1 W at 8 N,
- Power supply: + 15 Vdc, 500 mA.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Theoretical recalls: frequency modulation, FM receiver, radio stereophony, stereo decoder
- With this module it is possible to perform the following experiments:
- FM receiver, receiver input stage, detector stage, AFC circuit, muting circuit, stereo demodulator, audio amplifiers, loudspeaker, trouble shooting



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