

SPECIFICATIONS

DESCRIPTION

TRANSMITTER SECTION

RF Power Output @ 13.8V DC.....

AM, FM: 10W

AM Modulation Capability.....

SSB: Up to 20 W PEP

+/-100%

FM Deviation

+/-1.5 KHz typical

Frequency Range

A: 26.065 Through 26.505 MHz

B: 26.515 Through 26.955 MHz

C: 26.965 Through 27.405 MHz

D: 27.415 Through 27.855 MHz

E: 27.865 Through 28.305 MHz

Spurious Signal Suppression

Better than - 60 dB

RECEIVER SECTION

Sensitivity at 10 dB S+N/N.....

AM, FM: 0.4 μ V, SSB: 0.2 μ V

Image Rejection

80 dB

Squelch Sensitivity

Threshold: 0.2 μ V

Maximum (stop): 500 μ V

Adjacent Channel Selectivity.....

Better than 70 dB

Gross Modulation

60 dB

Audio Output.....

5 Watts Peak

Audio Bandwidth (1 KHz/0 dB) 3dB down

450 to 2000 Hz

"S" Meter Sensitivity for a reading of S9

100 μ V

Carrier Frequency Range.....

+/-2.5 KHz

Power Source

Operates from nominal
13.8 Volts DC

This model is an all-transistorize 2-way radio transceiver for mobile operation. A frequency synthesizer circuit provides crystal controlled PLL transmit and receive channels in the 27 MHz Band, engineered for trouble-free performance. Your transceiver uses heat resistant transistors in all critical areas. Current drain on 12 volts DC is exceptionally low. Operation over long periods is feasible even with your engine turned off. The transceiver may also be operated from A.C. when used with an optional Power Supply.

RECEIVER

The receiver is a sensitive and highly selective dual-conversion superheterodyne type providing crystal-controlled PLL operation on all 200 CB channels. The circuit incorporates an effective full time Automatic Noise Limiter in the audio stages. A ceramic filter provides sharp selectivity and high adjacent channel rejection. As a result, transmissions on adjacent channels cause minimum interference.

A variable squelch control is incorporated to "silence" the receiver when no signals are being received. The squelch circuit is adjustable providing varying degrees of sensitivity to incoming signals.

TRANSMITTER

The transmitter offers crystal-controlled operation on all 200 CB channels, minimum DC power input to the final RF with average modulation capabilities is possible by the use of high-efficiency Transistors and low loss components, wiring, and mounting boards. The legal limit of power for this service is provided.

POWER SUPPLY

The transceiver is ready for connection to a 12 volt DC, negative or positive ground system. DC power is provided to the transceiver by means a fused power lead.