

SPECIFICATIONS

GENERAL

Frequency coverage:

430.0 – 440.0 MHz

Modes of operation:

SSB (USB, LSB), CW and FM

Synthesizer steps:

SSB/CW: 100 Hz, 1 kHz

FM: 25 kHz, 100 kHz

Power requirements:

8 C - size dry battery cells or

8 C - size Ni-Cd battery cells

External: +15V DC

Memory Backup: built-in lithium battery cell

Current consumption:

100 mA on receive (FM)

750 mA on transmit (1W RF, FM)

Antenna impedance:

50 ohms

Case size:

55(H) x 150(W) x 195(D) mm

Weight:

1.5kg, without batteries

TRANSMITTER

Power output:

1 watt at 12 volts

Carrier suppression:

Better than 40 dB

Spurious radiation:

Better than -50 dB

Unwanted sideband suppression:

Better than 40 dB

Tone burst frequency:

1800 Hz (A model)

1750 Hz (other models)

Frequency response:

300 – 2700 Hz (-6 dB)

FM deviation:

±5 kHz

Microphone impedance:

600 ohms

RECEIVER

Circuit type:

SSB/CW: Double conversion
superheterodyne

FM: Triple conversion
superheterodyne

Intermediate frequencies:

1st IF 67.3 MHz

2nd IF 10.7 MHz

3rd IF 455 kHz (FM)

Sensitivity:

SSB/CW: 0.16µV for 10 dB S/N

FM: 0.25µV for 12 dB SINAD

Selectivity:

SSB/CW: 2.4 kHz at 6 dB down;
4.1 kHz at 60 dB down

FM: 12 kHz at 6 dB down;
25 kHz at 60 dB down

Image rejection:

Better than -60 dB

Audio output impedance:

8 ohms

Audio output:

1 watt @10% THD

RPT SHIFT

Model A ±5 MHz

Model B -7.6 MHz, REV

Model C +1.6 MHz, REV

Specifications subject to change without notice or obligation