

SS-497P

AM/FM/SSB
10 METER BASE STATION

TRANSCEIVER

LCD DIGITAL PLL SYNTHESIZER SYSTEM
FREQUENCY READ OUT
5 PRESET MEMORY & ACTIVE CHANNEL SCAN
1KHz /10KHz /100KHz FREQUENCY RESOLUTION
RF-GAIN & MIC-GAIN CONTROL
S/RF POWER & MODULATION/SWR ANALOG METER
 \pm SHIFT FREQUENCY
50 WATTS OUTPUT POWER



SPECIFICATION

GENERAL

FREQUENCY RANGE 28.000MHz to 29.699MHz
OR 25.165 to 29.695MHz(454CH)
FREQUENCY RESOLUTION 1K /10k /100KHz step
FREQUENCY STABILITY \pm 300Hz
FREQUENCY CONTROL digital phase-locked loop synthesizer
EMISSION MODE A3E(AM), F3E(FM), J3E(SSB)
OPERATING TEMPERATURE RANGE -20°C to +50°C
POWER REQUIREMENTS 12.0V-16.0V DC
ANTENNA 50 Ohm unbalanced
MICROPHONE electric condenser type
SPEAKER 8 Ohm, 3watts
DIMENSIONS (W X H X D) 300 x 240 x 85mm
WEIGHT (NET) 3.4 Kg

RECEIVER

MAX SENSITIVITY FOR 6dB S/N AM 0.5uV, FM/SSB 0.25uV
SENSITIVITY FOR 10dB S/N AM 0.5uV, FM/SSB 0.25uV
OVERLOAD AUDIO FIDELITY
AT 6dB DOWN 450Hz ~ 2000Hz
ADJACENT CHANNEL SELECTIVITY : AM/FM 60dB, SSB 70dB
IMAGE REJECTION (5.6MHz) Typically better than 90dB
IF REJECTION 70dB or better
MAXIMUM AUDIO OUTPUT POWER AM/FM/SSB 3.0watts
SQUELCH RANGE Adjustable from 0.5uV to 1mV
BATTERY DRAIN AT NO SIGNAL 500mA
BATTERY DRAIN AT MAX. OUTPUT POWER 1.5A
RECEIVER CLARIFIER RANGE \pm 1.25KHz Variable
DYNAMIC RANGE 65dB (SSB)

TRANSMITTER

MAX OUTPUT POWER AM 20Watts
FM 50Watts
SSB 50Watts PEP
SPURIOUS EMISSION 65dB or better
CURRENT DRAIN AT NO MODULATION AM less than 5.0A
FM less than 10A
SSB less than 1.0A
AT MAX. OUTPUT POWER AM less than 5.0A
FM/SSB less than 10A
MODULATION FREQUENCY RESPONSE
1KHz, 0dB REFERENCE Lower, at 450Hz, AM -6dB
SSB -6dB
Upper, at 2.5KHz, AM -6dB
SSB -6dB
MICROPHONE SENSITIVITY AM 1.5mV for 50% mod
FM 1.5mV for 1KHz DEV
SSB 1.5mV for 4Watts P.E.P
MICROPHONE AMPLIFIER
AM 50dB (between 98% and 80% modulation)
SSB 50dB (between 12W PEP and 10W PEP)
MODULATION CAPABILITY AM 95%, FM 2.0KHz

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