

SS-797

AM/FM/SSB
40 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/R/F POWER & MODULATION/SWR ANALOG METER
 \pm SHIFT FREQUENCY
50 WATTS OUTPUT POWER



SPECIFICATION

GENERAL

FREQUENCY RANGE	7.0 MHz to 7.3 MHz OR 6.0 MHz to 8.999 MHz(454CH)
FREQUENCY RESOLUTION	1K /10k /100KHz step
FREQUENCY STABILITY	\pm 300Hz
FREQUENCY CONTROL	digital phase-locked loop synthesize
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 0.5 μ V, FM/SSB 0.25 μ V
SENSITIVITY FOR 10dB S/N	AM 0.5 μ V, FM/SSB 0.25 μ V
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 0.5 μ V to 1mV
BATTERY DRAIN AT NO SIGNAL	500mA
BATTERY DRAIN AT MAX. OUTPUT POWER	1.5A
RECEIVER CLARIFIER RANGE	\pm 1.0KHz 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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