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SPECIFICATIONS

FREQUENCY RANGES

80 Meters	3.5 to 4 mc.
40 Meters	7.0 to 7.450 mc.
20 Meters	14.0 to 14.450 mc.
15 Meters	21.0 to 21.450 mc.
10 Meters	28.0 to 29.7 mc.

POWER INPUT

Single Sideband, Suppressed Carrier:
700 watts, PEP input.
CW: 400 watts, dc input.
AM (Single Sideband with Carrier):
125 watts dc input.

DISTORTION

Distortion products down approx. 30 db.

UNWANTED SIDEBAND SUPPRESSION

Unwanted sideband down more than 50 db.

CARRIER SUPPRESSION

Carrier suppression greater than 60 db.

RECEIVER SENSITIVITY

Less than 0.5 microvolt at 50 ohms impedance
for signal-plus-noise to noise ratio of 10 db.

AUDIO OUTPUT AND RESPONSE

Audio output, 4 watts to 3.2 ohm load. Response
essentially flat from 300 to 3000 cps in both re-
ceive and transmit.

TRANSMITTER OUTPUT

Wide-range Pi-network output matches antennas
essentially resistive from 15 to 500 ohms imped-
ance, with coarse and fine load adjustment.

AMPLIFIED ALC

Limits modulation level.

AUDIO SIDETONE

For CW Monitoring

PLUG IN VOX

Optional accessory. Also provides bk-in CW.

FRONT PANEL CONTROLS

AF-RF Gain, Sideband Selector CAL-REC-
TRANS-CW-TUNE, Mic. Gain, Bandswitch, Car-
rier Balance, PA Plate Tune, PA Grid Tune, PA
Load Coarse, PA Load Fine, VOX-PTT Switch,
ANL Switch, Dial set, Output Level, 25-100 kc
calib. switch.

REAR PANEL CONTROLS AND CONNECTIONS

Bias potentiometer, CW key jack, Jones plug
power connector, Vox connector, Antenna jack,
S-Meter zero, Auxiliary relay switching, Out-
board VFO connector.

VACUUM TUBE COMPLEMENT

V1	6EW6 VFO Amplifier
V2	12BE6 Transmitter Mixer
V3	6GK6 Driver
V4	8950 Power Amplifier
V5	8950 Power Amplifier
V6	6BZ6 Receiver RF Amplifier
V7	12BE6 Receiver Mixer
V8	12BA6 First IF Amplifier
V9	12BA6 Second IF Amplifier
V10	12AX7 Product Detector/Receive Audio
V11	6BN8 AGC/ALC Amplifier
V12	6GK6 Audio Amplifier
V13	6JH8 Balanced Modulator
V14	12AX7 Mic. Amplifier/Transmit Audio

DIODE AND TRANSISTOR COMPLEMENT

Q1	VFO
Q2	Emitter Follower
Q3	Carrier Oscillator
Q4	Crystal Calibrator
Q5	Crystal Calibrator
Q6	Crystal Calibrator
Q7	Crystal Calibrator
D401	Relative Output Diode
D701	Overload Diode
D1101	ANL Diode
D1102	ANL Diode
D1201	CW Switching Diode
D1202	CW Switching Diode
D1801	Zener
D1802	Relay Silencing Diode
D1803	AGC Diode
D1804	AGC Diode
D1805	AGC Diode

POWER REQUIREMENTS

Filaments	12.6 volts, 6.7 amps, ac or dc
Relay	12 volts dc, 250 ma.
Bias	- 110 volts dc, 100 ma.
Med. voltage	
	275 volts dc, 150 ma.
High voltage	
	800 volts dc, 1A Peak Trans.

DIMENSIONS AND WEIGHT

Height	5½ in.	Depth	11 in.
Width	13 in.	Weight	17¼ lb.