



Code	Part No.	COILS	Code	Part No.	RESISTORS	Code	Part No.	CONDENSERS
T1	29	Aerial Coil	R1		100,000 ohms, 1/2 watt	C1		.05 mfd. Paper
T2	2327	R.F. Coil	R2		1,200 ohms, 1/2 watt	C2		10-50 mmfd. Mica Trimmer
T3	2329	Osc. Coil	R3		2,000 ohms, 1/2 watt	C3	2A	Variable Condenser
T4	2771	1st I.F. Transformer	R4		40,000 ohms, 1 watt	C4		.1 mfd. Paper
T5	23	2nd I.F. Transformer	R5		20,000 ohms, 1 watt	C5		.1 mfd. Paper
T6	15	Power Transformer 50~	R6		60,000 ohms, 1/2 watt	C6		.05 mfd. Paper
T6	17	Power Transformer 40~	R7		20,000 ohms, 1/2 watt	C7		10-50 mmfd. Mica Trimmer
T6	1162	Power Transformer 110 V.	R8		500,000 ohms, 1/2 watt	C8	2A	Variable Condenser
			R9		2,000 ohms, 1/2 watt	C9		900 mmfd. Mica Padding
			R10	588	250,000 ohms, Volume Cont.	C10		10-50 mmfd. Mica Trimmer
			R11		300,000 ohms, 1/2 watt	C11	2A	Variable Condenser
			R12		1 1/2 Megohms, 1/2 watt	C12		.05 mfd. Paper
			R13		100,000 ohms, 1/2 watt	C13		85 mmfd. Mica (E)
			R14		300,000 ohms, 1/2 watt	C14		10-50 mmfd. Mica Trimmer
			R15		400 ohms, 1 watt	C15		10-50 mmfd. Mica Trimmer
						C16		85 mmfd. Mica (E)
						C17		200 mmfd. Mica (J)
						C18		.01 mfd. Paper
						C19		25 mfd. 25 Volt Electrolytic
						C20		200 mmfd. Mica (J)
						C21		10-50 mmfd. Mica Trimmer
						C22		700 mmfd. Mica
						C23		.01 mfd. Paper
						C24		25 mfd. 25 Volt Electrolytic
						C25		.02 mfd. Paper
						C26	2763A	8 mfd. 500 Volt Electrolytic
						C27	2763A	8 mfd. 500 Volt Electrolytic
						C28		.1 mfd. Paper

RADIOLETTE 37 CIRCUIT DATA

# Radiolette Model 37

## ELECTRICAL SPECIFICATIONS.

Voltage Rating	.....	200-260 volts.
Frequency Rating	.....	50-60 cycles
(Special instruments made for other voltage and frequency ratings).		
Power Consumption	.....	50 watts
Tuning Range	.....	200-550 metres
Intermediate Frequency	.....	175 Kilocycles

## VALVES AND CIRCUITS.

6D6	R.F. Amplifier.
6A7	Detector-Oscillator.
6B7	I.F. Amplifier, Detector, A.V.C. and Audio amplifier.
42	Output pentode.
80	Rectifier.

## SOCKET VOLTAGES.

VALVE.	Chassis to Cathode Volts	Chassis to Screen Grid Volts	Chassis to Plate Volts	Plate Current M.A.	Heater Volts
6D6 R.F. Amplifier	6.0	55	245	1.0	6.3
6A7 Detector	6.0	55	245	0.5	6.3
Oscillator	—	—	170	3.0	—
6B7 Reflex Amplifier	2.5	55	100*	1.2	6.3
42 Pentode	14.0	245	230	30.0	6.3
80 Rectifier	600/300 volts, 45 M.A. total current				5.0

Voltage across loudspeaker field — 72 volts.

Measured at 240 volts. A.C. supply. No signal input. Controls in maximum clockwise position and sensitivity switch in distant (D) position.

\* Cannot be measured with ordinary voltmeter.