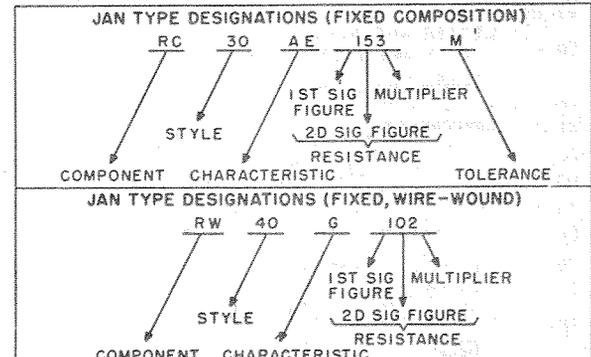
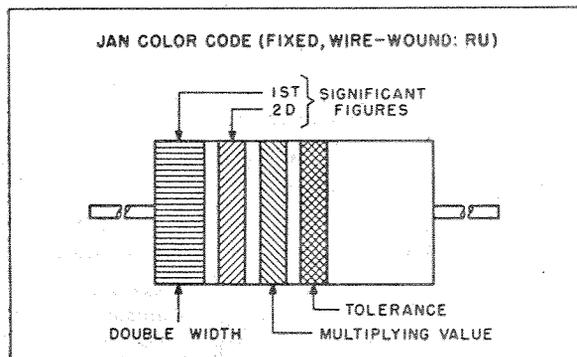
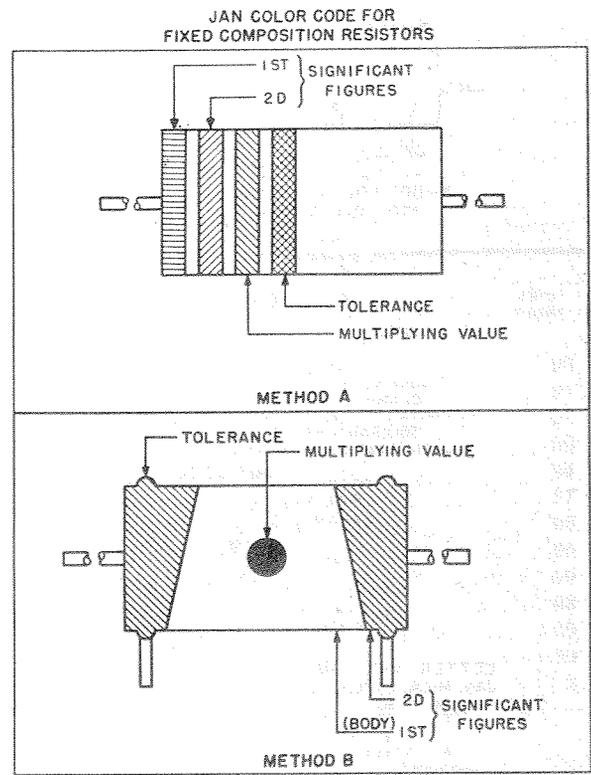
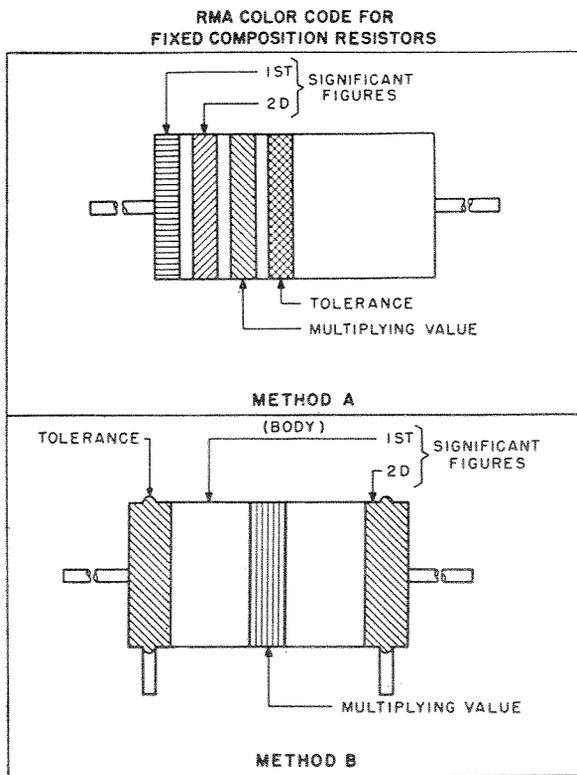


## 2. Identification Table of Parts for Radio Receiver R-274/FRR—Continued

Ref symbol	Name of part and description	Function of part	Signal Corps stock No.
T30	TRANSFORMER, IF: 455 kc; interstage 3d IF.	3rd 455-kc intermediate frequency	2Z9642-135
T25	TRANSFORMER, IF: 6 mc.	6-mc input	2Z9643-389
T26	TRANSFORMER, IF: 6 mc; output	6-mc output	2Z9643-390
T27	TRANSFORMER, IF: 6.455 mc xtal oscillator.	6.455-mc crystal oscillator	2Z9643-391
T34	TRANSFORMER, power fil and plate type; input 95/105/117/130/190/210/234/260/v ac. 60 cyc single ph; secd #1, 6.3 v at 6.3 amp, secd #2, 5.0 v at 3.0 amp, secd #3, 350 v ac. at .150 amp CT, secd #4, 12.0 v at .6 amp; HS metal case.	Power	2Z9608-124
T1	TRANSFORMER, variable RF: unshielded	Turret band #1 antenna	2Z9629-276
T13	TRANSFORMER, variable RF: unshielded	Turret band #1 mixer	2Z9629-288
T19	TRANSFORMER, variable RF: unshielded	Turret band #1 oscillator	2Z9629-294
T7	TRANSFORMER, variable RF: unshielded	Turret band #1 rf	2Z9629-282
T2	TRANSFORMER, variable RF: unshielded	Turret band #2 antenna	2Z9629-277
T20	TRANSFORMER, variable RF: unshielded	Turret band #2 oscillator	2Z9629-295
T14	TRANSFORMER, variable RF: unshielded	Turret band #2 mixer	2Z9629-289
T8	TRANSFORMER, variable RF: unshielded	Turret band #2 rf	2Z9629-283
T3	TRANSFORMER, variable RF: unshielded	Turret band #3 antenna	2Z9629-278
T15	TRANSFORMER, variable RF: unshielded	Turret band #3 mixer	2Z9629-290
T21	TRANSFORMER, variable RF: unshielded	Turret band #3 oscillator	2Z9629-296
T9	TRANSFORMER, variable RF: unshielded	Turret band #3 rf	2Z9626-284
T4	TRANSFORMER, variable RF: unshielded	Turret band #4 antenna	2Z9629-279
T16	TRANSFORMER, variable RF: unshielded	Turret band #4 mixer	2Z9629-291
T22	TRANSFORMER, variable RF: unshielded	Turret band #4 oscillator	2Z9629-297
T10	TRANSFORMER, variable RF: unshielded	Turret band #4 rf	2Z9629-285
T5	TRANSFORMER, variable RF: unshielded	Turret band #5 antenna	2Z9629-280
T17	TRANSFORMER, variable RF: unshielded	Turret band #5 mixer	2Z9629-292
T23	TRANSFORMER, variable RF: unshielded	Turret band #5 oscillator	2Z9629-298
T11	TRANSFORMER, variable RF: unshielded	Turret band #5 rf	2Z9629-286
T6	TRANSFORMER, variable RF: unshielded	Turret band #6 antenna	2Z9629-281
T18	TRANSFORMER, variable RF: unshielded	Turret band #6 mixer	2Z9629-293
T24	TRANSFORMER, variable RF: unshielded	Turret band #6 oscillator	2Z9629-299
T12	TRANSFORMER, variable RF: unshielded	Turret band #6 rf	2Z9629-287

RESISTOR COLOR AND LETTER CODE



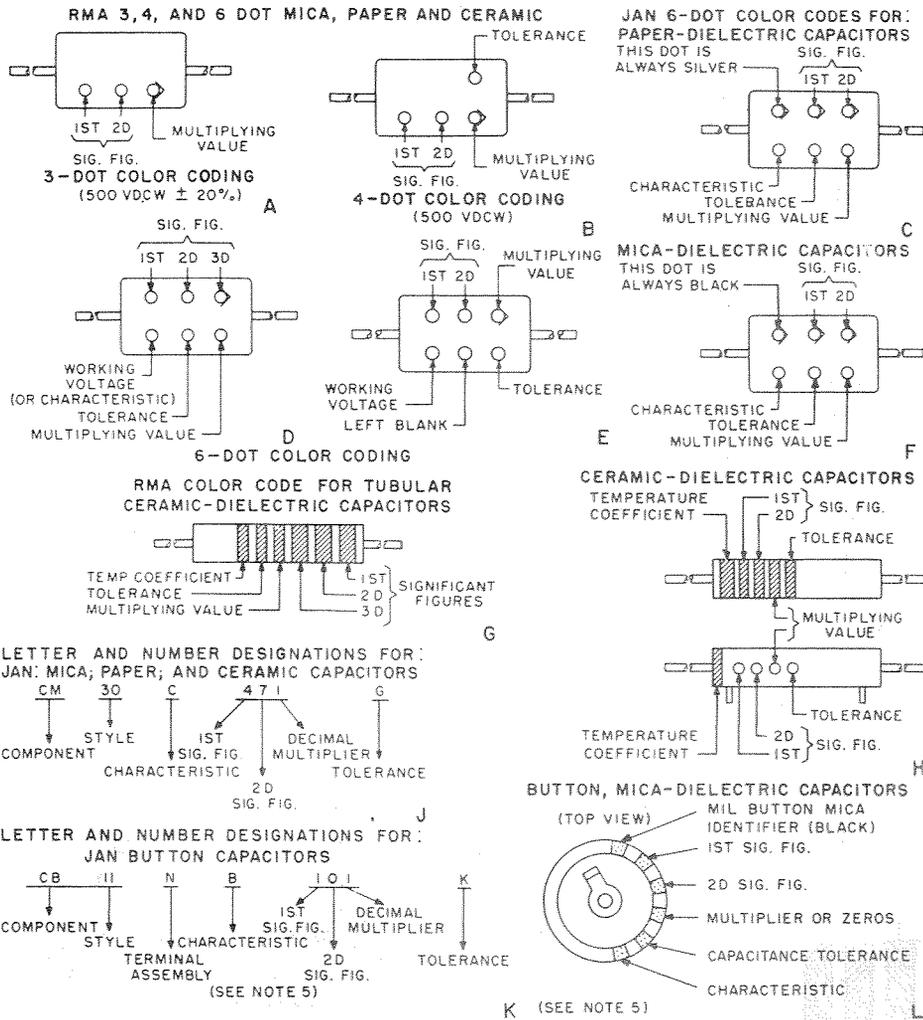
STANDARDS				
COLOR	SIGNIFICANT FIGURE	MULTIPLYING VALUE	TOLERANCE (%)	JAN LETTER TOLERANCE
BLACK	0	1	-	-
BROWN	1	10	± 1	F
RED	2	100	± 2	G
ORANGE	3	1,000	± 3	-
YELLOW	4	10,000	± 4	-
GREEN	5	100,000	± 5	-
BLUE	6	1,000,000	± 6	-
VIOLET	7	10,000,000	± 7	-
GRAY	8	100,000,000	± 8	-
WHITE	9	1,000,000,000	± 9	-
GOLD	-	0.1	± 5	J
SILVER	-	0.01	± 10	K
NO COLOR	-	-	± 20	M

- NOTES:**
1. RESISTORS WITH AXIAL LEADS ARE INSULATED. RESISTORS WITH RADIAL LEADS ARE NON-INSULATED.
  2. RMA: RADIO MANUFACTURERS ASSOCIATION.
  3. JAN: JOINT ARMY - NAVY.
  4. THESE COLOR AND NUMBER CODES GIVE ALL RESISTANCE VALUES IN OHMS.
  5. RESISTIVE COMPONENTS USED FOR LETTER TOLERANCES ARE: RC, RN, AND RU.
  6. WATTAGE FOR RW TYPES IS FOUND IN THE JAN SPECIFICATIONS UNDER CHARACTERISTICS.

TMRC

Figure 44. Resistor color codes.

CAPACITOR COLOR AND LETTER CODES



- STANDARDS -				JAN MICA-CM		JAN PAPER-CP		JAN CERAMIC-CC						
COLOR	SIG. FIG.	DECIMAL MULTIPLIER	% TOL.	VDCW	LETTER TOL.	CHARACTERISTIC	LETTER TOL.	CHARACTERISTIC	DEC. MULT.	%	LETTER DESIGNATION	UUF	LETTER DESIGNATION	CHARACTERISTIC
BLACK	0	1	±20	500	M	A	M	A	1	±20	M	±2.0	G	C
BROWN	1	10	±1	100	-	B	-	E	10	±1	F	-	-	H
RED	2	100	±2	200	G	C	-	H	100	±2	G	-	-	L
ORANGE	3	1,000	±3	300	-	D	N*	J	1,000	-	-	-	-	P
YELLOW	4	10,000	±4	400	-	E	-	P	-	-	-	-	-	R
GREEN	5	100,000	±5	500	-	F	-	R	-	±5	J	±0.5	D	S
BLUE	6	1,000,000	±6	600	-	G	-	S	-	-	-	-	-	T
VIOLET	7	10,000,000	±7	700	-	-	-	T	-	-	-	-	-	U
GRAY	8	100,000,000	±8	800	-	-	-	-	0.01	-	-	±0.25	C	B
WHITE	9	1,000,000,000	±9	900	-	-	-	-	0.1	±10	K	±1.0	F	SL
GOLD	-	0.1	±5	1,000	J	-	-	-	-	-	-	-	-	A
SILVER	-	0.01	±10	2,000	K	-	-	-	-	-	-	-	-	-
NO COLOR	-	-	±20	500	-	-	-	-	-	-	-	-	-	-

- NOTES
- JAN: JOINT ARMY-NAVY  
RMA: RADIO MANUFACTURERS ASSOCIATION
- THESE COLOR AND LETTER CODES GIVE CAPACITANCES IN MICROMICROFARADS
  - THIS TABLE IS ADAPTED FOR JAN AND RMA COLOR AND JAN LETTER TYPE DESIGNATIONS
  - CERAMIC AND MICA CAPACITORS, BOTH JAN AND RMA, ARE GENERALLY 500 VDCW
  - BUTTON CAPACITORS ARE GENERALLY 300 VDCW
  - READ BUTTON CAPACITOR TOLERANCE UNDER CERAMICS OF MORE THAN 10 UUF
  - CHARACTERISTICS ARE AVAILABLE IN JAN CAPACITOR SPECIFICATION MANUALS
  - THE COMPONENTS USED ABOVE FOR JAN LETTER TYPE DESIGNATIONS ARE:  
CP MICA BUTTON; CC CERAMIC; CM MICA MOULDED; CN PAPER MOULDED

TM CC

Figure 45. Capacitor color codes.

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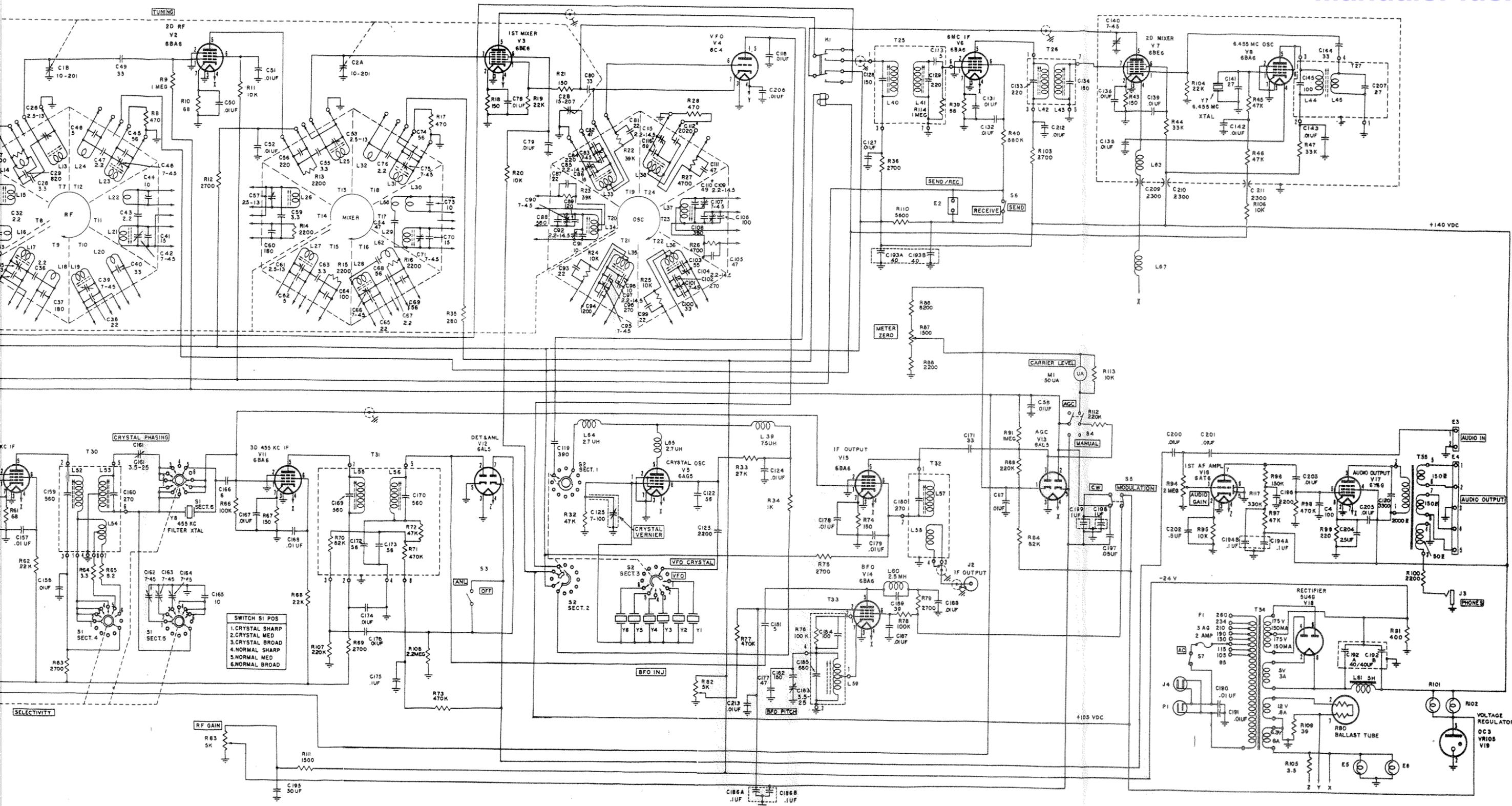


Figure 43. Radio Receiver R-274/FRR, schematic diagram.

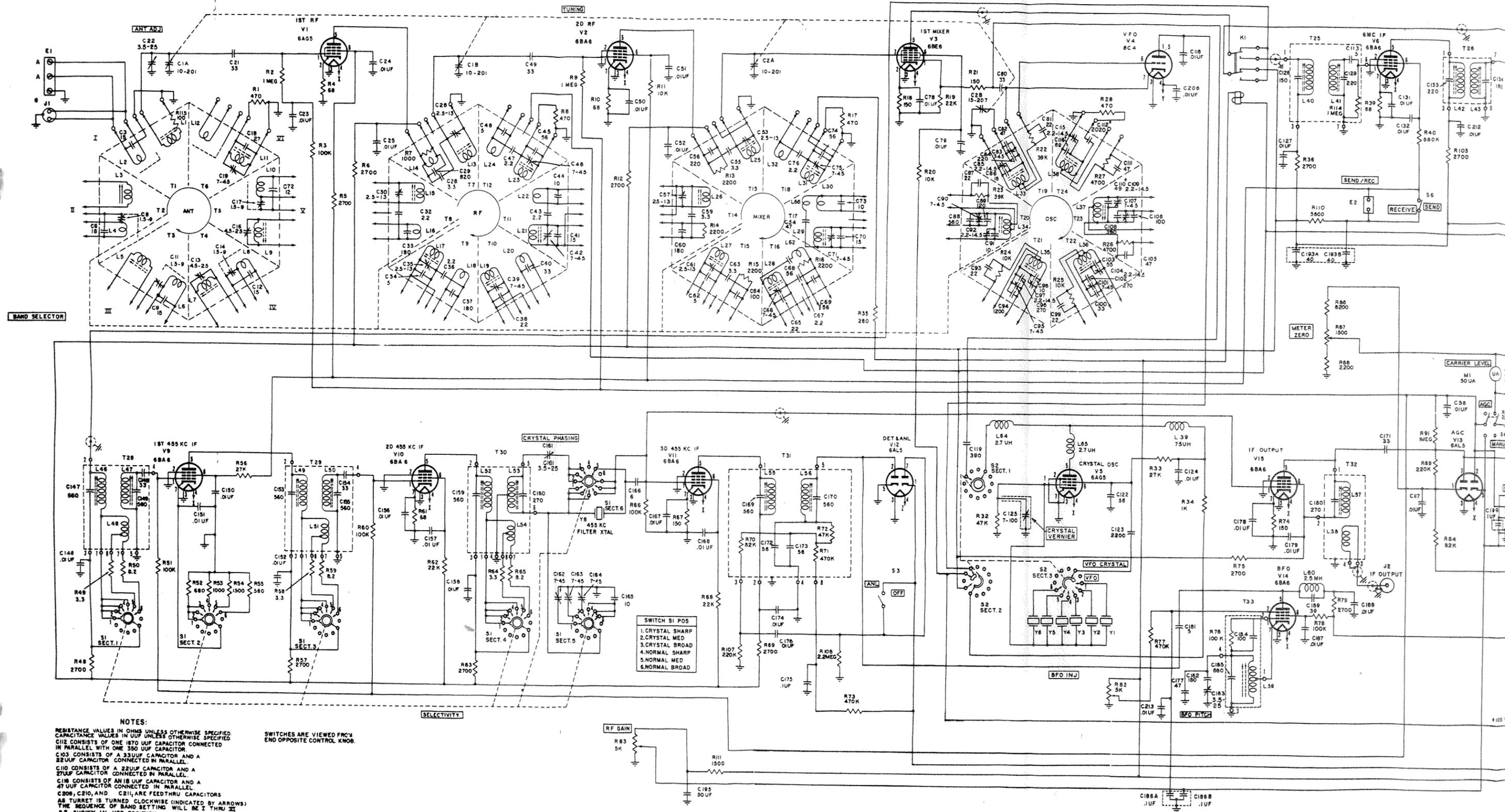


Figure 43. Radio Receiver R-274/FRR, schematic diagram.