

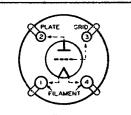
## · RCA CUNNINGHAM RADIOTRON CHART ·

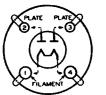


					······································	<u>-</u>		BIMENSIANS	Τ	RATING			1				Т		T	MUTUAL	1	LOAD	1	
			SOCKET	DIMENSIONS MAXIMUM	CATHODE	## AMERICA 66		T		USE	PLATE			SCREEN	PLATE	A-C PLATE	CON-	VOLT-	FOR	POWER				
TYPE	NAME	BASE	CONNEC- TIONS	OVERALL LENGTH	TYPE	**	ATER	PLATE MAX.	SAREEN	operating conditions and characterisdes for	PLY VOLTS	VOLTS =	SCREEN VOLTS	MHLLI- AMP.	MILLI- AMP.	RESIS-	TANCE MICRO-	AMPLI- FICATION	POWER	PUT	TYPE			
				DIAMETER		VOLTS	AMPERES	AOT12	Aer12	indicated typical use	10213					OHMS	MHOS	FACTOR	OUTPUT ORMS	WATTS				
1A6	PENTAGRID CONVERTER 0	SMALL S-PIN	FIG. 26	413" 4 126"	D-C FILAMENT	2.0	0.06	180	67.5	CONVERTER	180	{- 3.0} min.}	67.5	2.4	1.3	500000	Oscillator	Grid( # 1)	5 max. vol Resistor, 50 ance, 300 n	0000 ohms.	IA6			
108	PENTAGRID CONVERTER 9	SMALL S-PIN	FIG. 25	417 x 16"	D-C FILAMENT	2.0	0.12	180	67.5	CONVERTER	180	{- 3.0} min.}	67.5	2.0	1.5	750000	Anode Gr Oscillator	id (#2) 13 Grid(#1)	5 max. vol Resistor, 50 ance, 325 n	ts, 3.3 ma. 0000 ohms.	108			
2A3	POWER AMPLIFIER TRIODE	MEDIUM 4-PIN	FIG. 1	53" x 216"	FILAMENT	2.5	2.5	250 300		CLASS A AMPLIFIER PUSH-PULL,	250 300	-45 -62	Self-l		60.0 40.0	800 Power Ou	5250 itput is for	4.2	2500 5000	3.5	2A3			
2A5	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 15A	416" x 118"	HEATER	2.5	1.75	250	250	AMPLIFIER CLASS A AMPLIFIER	300 250	-62 -16.5	Fixed- 250	bias 6.5	40.0 34.0	stated 1 100000	load, plate 2200	to-plate 220	7000	15.0 3.0	2A5			
2A6	DUPLEX-DIODE HIGH-MU TRIODE	SMALL 6-PIN	FIG. 13	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	2.5	0.8	250		TRIODE UNIT AS CLASS A AMPLIFIER	250 ×	- 1.35			0.4			_	per stage =	<u> </u>	2A6			
2A7	PENTAGRID CONVERTER ©	SMALL 7-PIN	FIG. 20	4 <sup>17</sup> / <sub>32</sub> " x 1 <sup>9</sup> / <sub>16</sub> "	HEATER	2.5	0.8	250	100	CONVERTER	250	{- 3.0} min. }	100	2.2	3.5	360000	Oscillator	Grid(#1)	0 max. vol Resistor, 50 ance, 520 n	0000 ohms.	2A7			
287	DUPLEX-DIODE PENTODE	SMALL 7-PIN	FIG. 21	4 <sup>17</sup> / <sub>32</sub> " x 1 <sup>9</sup> / <sub>16</sub> "	HEATER	2.5	0.8	250	125	PENTODE UNIT AS R.F. AMPLIFIER PENTODE UNIT AS	100 250	- 3.0 - 3.0	100 125	1.7	5.8 9.0	300000 650000	950 1125	285 730			287			
6A4 also LA	POWER AMPLIFIER PENTODE	MEDIUM 5-PIN	FIG. 6	411 x 112"	FILAMENT	6.3	0.3	180	180	A-F AMPLIFIER CLASS A AMPLIFIER	250•¥ 100	- 4.5 - 6.5	100	1.6	9.0	83250	1200	100	11000	0.31	6A4			
6A6	TWIN-TRIODE	MEDIUM 7-PIN#	FIG. 24	416" x 118"	HEATER	6.3	0.8	300		CLASS B AMPLIFIER	180 250	-12.0 0	180	3.9	22.0 Power	45500 output va	2200 lue is for o	ne tube	8000 8000	1.40 8.0	also LA			
	AMPLIFIER PENTAGRID						0.0	300		CLASS B AMPLIFIER	300	0			at s	tated load	, plate-to-p Anode Gri		10000 0 max. voi	10.0	6A6			
6A7	CONVERTER &	SMALL 7-PIN	FIG. 20	$4\frac{17}{32}$ x $1\frac{9}{16}$	HEATER	6.3	0.3	250	100	CONVERTER	250	- 3.0 min.	100	2.2	3.5	360000	Oscillator Conversion	Grid(∦1)	Resistor, 50	0000 ohms.	6A7			
6 <b>B</b> 7	DUPLEX-DIODE	SMALL 7-PIN	FIG. 21	4 <sup>17</sup> x 1 <sup>9</sup> / <sub>16</sub> "	HEATER	6.3	0.3	250	125	PENTODE UNIT AS R-F AMPLIFIER	100 250	- 3.0 - 3.0	100 125	1.7 2.3	5.8 9.0	300000 650000	950 1125	285 730			cn-			
	PENTODE			-32 ^ 16				-55		PENTODE UNIT AS A-F AMPLIFIER	250-¥	- 4.5	50		0.65						6B7			
6C6	TRIPLE-GRID DETECTOR	SMALL 6-PIN	FIG. 11	$4\frac{15}{16}'' \times 1\frac{9}{16}''$	HEATER	6.3	0.3	250	100	SCREEN GRID R-F AMPLIFIER	250	- 3.0	100	0.5	2.0	exceeds 1.5 meg.	1225	exceeds 1500			6C6			
	AMPLIFIER									BIAS DETECTOR	250	-1.95	50	Cathode o					tor 250000 tor 250000		000			
6 <b>D</b> 6	TRIPLE-GRID SUPER-CONTROL	SMALL 6-PIN	FIG. 11	415" x 18"	HEATER	6.3	0.3	250	100	SCREEN GRID R-F AMPLIFIER	250	(- 3.0) min.	100	2.0	8.2	800000	1600	1280			ene			
_	AMPLIFIER			10 10		0.0	J.J	200		MIXER IN SUPERHETERODYNE	250	-10.0	100		—		Oscillato	or peak voi	ts=7.0.		6 <b>D</b> 6			
	Grids #3 and #5 are Requires different soci			out control-grid.								lied through						**For grid	of following	ng tube.				
A Applied through place coupling resistor of 250000 onins.																								
6F7	TRIODE-	CMAIL 7 DIN	510 47	417" _ 19"	LIFATER			100		TRIODE UNIT AS AMPLIFIER PENTODE UNIT AS	100	- 3.0 (- 3.0)			3.5	17800	450	8						
OF 7	PENTODE	SMALL 7-PIN	FIG. 27	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250 250	100	AMPLIFIER PENTODE UNIT AS	250	\ min. }	100	1.5	6.5	850000	1100 ator peak v	900			6F7			
300 A	DETECTOR			.11.6	D-C					MIXER GRID LEAK	250	-10.0	100 Return t	0.6	2.8		rsion condu			mhos.				
'00-A	TRIODE DETECTOR±	MEDIUM 4-PIN	FiG. 1	416 x 118"	FILAMENT	5.0	0.25	45		DETECTOR	45 90	(-)	) Filament		1.5	30000	666	20			'00-A			
01-A	AMPLIFIER	MEDIUM 4-PIN	FIG. 1	4 <del>16</del> " x 1 <del>18</del> "	D-C FILAMENT	5.0	0.25	135		CLASS A AMPLIFIER	135	- 4.5 - 9.0		_	2.5 3.0	11000 10000	725 800	8.0 8.0			01-A			
10	POWER AMPLIFIER TRIODE DETECTOR	MEDIUM 4-PIN	FIG. 1	55" x 23"	FILAMENT	7.5	1.25	425		CLASS A AMPLIFIER	350 425	-31.0 -39.0			16.0 18.0	5150 5000	1550 1600	8.0 8.0	11000 10200	0.9 1.6	10			
11 12	AMPLIFIER TRIODE	WD 4-PIN MEDIUM 4-PIN	FIG. 12 FIG. 1	$\begin{array}{c} 4\frac{1}{8}'' \times 1\frac{3}{16}'' \\ 4\frac{11}{16}'' \times 1\frac{7}{16}'' \end{array}$	D-C FILAMENT	1.1	0.25	135	_	CLASS A AMPLIFIER	90 135	- 4.5 -10.5		-	2.5 3.0	15500 15000	425 440	6.6 6.6			  12			
<b>ł</b> 9	TWIN-TRIODE AMPLIFIER	SMALL 6-PIN	FIG. 25	4½" x 1½"	D-C FILAMENT	2.0	0.26	135	_	CLASS B AMPLIFIER	135 135	- 3.0					lue is for o		10000 10000	2.1 1.9	19			
'20	POWER AMPLIFIER TRIODE	SMALL 4-PIN	FIG. 1	$4\frac{1}{8}'' \times 1\frac{3}{16}''$	D-C FILAMENT	3.3	0.132	135		CLASS A AMPLIFIER	90	-16.5			3.0	8000	415	3.3	9600	0.045	'20			
22	R-F AMPLIFIER TETRODE	MEDIUM 4-PIN	FIG. 4	512" x 113"	D-C FILAMENT	3.3	0.132	135	67.5	SCREEN GRID	135 135	-22.5 - 1.5	45	0.6*	1.7	6300 725000	525 375	3.3 270	6500	0.110	22			
				32 - 316	FILAMENI				u	R-F AMPLIFIER SCREEN GRID	135 180	- 1.5 - 3.0	90	1.7*	3.7 4.0	325000 400000	500 1000	160 400		-				
24-A	R-F AMPLIFIER TETRODE	MEDIUM 5-PIN	FIG. 9	5 1 2 1 1 1 3 "	HEATER	2.5	1.75	275	90	R-F AMPLIFIER BIAS DETECTOR	250 250●	- 3.0 - 5.0 approx.	90 20 to 45	1.7*	4.0 Pla	600000   ate current	1050 t to be adju- with no		1 milliamp	ere	24-A			
26	AMPLIFIER TRIODE	MEDIUM 4-PIN	FIG. 1	411 x 113"	FILAMENT	1.5	1.05	180		CLASS A AMPLIFIER	90 180	- 7.0 -14.5			2.9 6.2	8900 7300	935 1150	8.3 8.3			26			
27	DETECTOR*	MEDIUM 5-PIN	FIG. 8	4}″ x 1%²″	HEATER	2.5	1.75	275		CLASS A AMPLIFIER	135 250	- 9.0   -21.0	-		4.5 5.2	9000 9250	1000 975	9.0 9.0						
21	TRIODE	MEDIUM 5-PIN	riu. s	42 X 198	HEATER		****			BIAS DETECTOR	250	30.0} approx.		-	Pla	ate current	t to be adju with no		2 milliamp	ere	27			
30	DETECTOR★ AMPLIFIER TRIODE	SMALL 4-PIN	FIG. 1	4½" x 1½"	D-C FILAMENT	2.0	0.06	180	_	CLASS A AMPLIFIER	90 135 180	- 4.5 - 9.0 -13.5			2.5 3.0 3.1	11000 10300 10300	850 900 900	9.3 9.3 9.3			30			
		rid-leak Detectio	n—plate vol	ts 45, grid return to	+ filament o	r to cath	ode.			● Applied through			sistor of 25	0000 ohm					negohm res	sistor. *M	faximum.			
31	POWER AMPLIFIER	SMALL 4-PIN	FIG. 1	4½" x 1½"	D-C FILAMENT		0.13	180		CLASS A AMPLIFIER	135	-22.5		T	8.0	4100	925	3.8	7000	0.185	31			
32	TRIODE  R-F AMPLIFIER	MEDIUM 4-PIN	FIG. 4	5 1 x 1 1 8 "	D-C FILAMENT	2.0	0.06	180	67.5	SCREEN GRID R-F AMPLIFIER	180 135 180	-30.0 - 3.0 - 3.0	67.5 67.5	0.4* 0.4*	12.3 1.7 1.7	950000 1200000	1050 640 650	3.8 610 780	5700	0.375	32			
	TETRODE POWER AMPLIFIER									BIAS DETECTOR	180♥	- 6.0 approx.	67.5				to be adju	signal.						
33	PENTODE SUPER-CONTROL	MEDIUM 5-PIN	FIG. 6	418" x 118"	D-C FILAMENT	2.0	0.26	180	180	CLASS A AMPLIFIER	180	-18.0	180	5.0	22.0	55000	1700	90	6000	1.4	33			
34	R-F AMPLIFIER PENTODE	MEDIUM 4-PIN	FIG. 4A	517 x 118"	D-C FILAMENT	2.0	0.06	180	67.5	SCREEN GRID R-F AMPLIFIER	135 180	{- 3.0} min.}	67.5 67.5	1.0	2.8	1000000	600 620	360 620			34			
35	SUPER-CONTROL R-F AMPLIFIER TETRODE	MEDIUM 5-PIN	FIG. 9	517 x 118"	HEATER	2.5	1.75	275	90	SCREEN GRID R-F AMPLIFIER	180 250	{ - 3.0} min. }	90 90	2.5*	6.3	300000 400000	1020 1050	305 420			35			
										SCREEN GRID	100 180	- 1.5 - 3.0	55 90		1.8	550000 500000	850 1050	470 525						
36	R-F AMPLIFIER TETRODE	SMALL 5-PIN	FIG. 9	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250	90	R-F AMPLIFIER	250 100	- 3.0 - 5.0	90 55	1.7*	3.2	550000	1080 t to be adju	595	1 milliamo	ere	36			
										BIAS DETECTOR	250●	- 8.0	90				with no	signal.						
	DETECTOR*			.1,"						CLASS A AMPLIFIER	90 180	- 6.0 -13.5			2.5 4.3	11500 10200	900	9.2 9.2						
37	AMPLIFIER TRIODE	SMALL 5-PIN	FIG. 8	$4\frac{1}{4}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250	_	BIAS DETECTOR	250 90	-18.0 -10.0			7.5 Pi	8400 ate curren	1100 t to be adju		2 milliamp	pere	37			
	noustra sass									SHA DELECTOR	250 100	-28.0 - 9.0	100	1.2	7.0	140000	875	signal.	15000	0.27				
38	POWER AMPLIFIER PENTODE	SMALL 5-PIN	FIG. 9A	$4\frac{17}{32}$ " x $1\frac{9}{15}$ "	HEATER	6.3	0.3	250	250	CLASS A AMPLIFIER	180 250	-18.0 -25.0	180 250	2.4 3.8	14.0 22.0	115000 100000	1050 1200	120 120	11600 10000	1.00 2.50	38			
	SUPER-CONTROL	SMALL 5-PIN	510.00	.37# #			0.3	050		SCREEN GRID	90	(- 3.0)	90 90	1.6	5.6	375000 750000	960 1000	360 750			20.44			
39-44	R-F AMPLIFIER PENTODE	SMALL S-PIN	FIG. 9A	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250	90	R-F AMPLIFIER	180 250	min.	90	1.4	5.8	1000000	1050	1050	I	I	39-44			

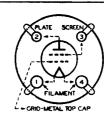
					DIMENSIONS			RATI	NG		jje?						A-C	MUTUAL	VOLT-	LOAD		
TYPE	NAME	BASE	SOCKET CONNEC- TIONS	MAXIMUM OVERALL LENGTH	CATHODE TYPE =		ENT OR ATER	PLATE MAX.	SCREEN MAX.	USE Values to right give eperating conditions and characteristics for indicated typical use	PLATE SUP- PLY VOLTS	ERID VOLTS =	SCREEN VOLTS	SCREEN Milli- AMP.	PLATE MILLI- AMP.	PLATE RESIS- TANCE	DUC- TANCE MICRO-	AGE AMPLI- FICATION	FOR STATED POWER OUTPUT	POWER OUT- PUT WATTS	TYPE	
				X DIAMETER		VOLTS	AMPERES	VOLTS	VOLTS	muceses typical cas	TOLIS					OHMS	MHOS	FACTOR	OHMS	WAIIS		
40	VOLTAGE AMPLIFIER TRIODE	MEDIUM 4-PIN	FIG. 1	416" x 116"	D-C FILAMENT	5.0	0.25	180	_	CLASS A AMPLIFIER	135 × 180 ×	- 1.5 - 3.0	_		0.2 0.2	150000 150000	200 200	30 30			40	
41	POWER AMPLIFIER PENTODE	SMALL 6-PIN	FIG. 15A	4½" x 1%"	HEATER	6.3	0.4	250	250	CLASS A AMPLIFIER	100 180 250	- 7.0 -13.5 -18.0	100 180 250	1.6 3.0 5.5	9.0 18.5 32.0	103500 81000 68000	1450 1850 2200	150 150 150	12000 9000 7600	0.33 1.50 3.40	41	
42	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIQ. 15A	416" x 116"	HEATER	6.3	0.7	250	250	CLASS A AMPLIFIER	250 95	-16.5 -15.0	250 95	6.5 4.0	34.0	100000 45000	2200 2000	220 90	7000 4500	3.00 0.90	42	
43	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 15A	418 x 118"	HEATER	25.0	0.3	135	135	CLASS A AMPLIFIER	135	-20.0 -31.5	135	7.0	34.0	35000 1650	2300 2125	80 3.5	4000 2700	2.00	43	
45	POWER AMPLIFIER TRIODE	MEDIUM 4-PIN	FIG. 1	411 x 113"	FILAMENT	2.5	1.5	275 250	_	CLASS A AMPLIFIER C	250 275	-50.0 -56.0	<u> </u>		34.0 36.0 22.0	1610 1700 2380	2175 2050 2350	3.5 3.5 5.6	3900 4600 6400	1.60 2.00 1.25	45	
46	DUAL-GRID POWER AMPLIFIER	MEDIUM 5-PIN	FIG. 7	$5\frac{5}{8}$ " x $2\frac{3}{16}$ "	FILAMENT	2.5	1.75	400	_	CLASS B AMPLIFIER	300 400	0				output val	ues are for	2 tubes	5200 5800	16.0 20.0	46	
47	POWER AMPLIFIER PENTODE	MEDIUM 5-PIN	FIG. 6	53" x 216"	FILAMENT	2.5	1.75	250	250	CLASS A AMPLIFIER	250	-16.5	250	6.0	31.0	60000	2500	150	7000	2.7	47	
48	POWER AMPLIFIER TETRODE	MEDIUM 6-PIN	FiG. 15	$5\frac{3}{8}$ " x $2\frac{1}{16}$ "	D-C HEATER	30.0	0.4	125	100	CLASS A AMPLIFIER	96 125	-19.0 -20.0	96 100	9.0 9.5	52.0 56.0		3800 3900		1500 1500	2.0	48	
49	DUAL-GRID POWER AMPLIFIER	MEDIUM 5-PIN	FIG. 7	411 x 113 "	D-C FILAMENT	2.0	0.12	135		CLASS & AMPLIFIER CLASS & AMPLIFIER	T	0				4175 output val dicated pla			12000	3.5	49	
50	POWER AMPLIFIER TRIODE	MEDIUM 4-PIN	FIG. 1	6¼" x 2¼%"	FILAMENT	7.5	1.25	450	_	CLASS A AMPLIFIER	300 400 450	-54.0 -70.0 -84.0			35.0 55.0 55.0	2000 1800 1800	1900 2100 2100	3.8 3.8 3.8	4600 3670 4350	1.6 3.4 4.6	50	
53	TWIN-TRIODE AMPLIFIER	MEDIUM 7-PINA	FIG. 24	$4\frac{11}{16}$ " x $1\frac{13}{16}$ "	HEATER	2.5	2.0	300	_	CLASS B AMPLIFIER	250 300	0				output va tated load			8000 10000	8.0 10.0	53	
55	DUPLEX-DIODE TRIODE	SMALL 6-PIN	FIG. 13	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	2.5	1.0	250		TRIODE UNIT AS CLASS A AMPLIFIER	135 180 250	-10.5 -13.5 -20.0			3.7 6.0 8.0	11000 8500 7500	750 975 1100	8.3 8.3 8.3	25000 20000 20000	0.075 0.160 0.350	55	
56	SUPER-TRIODE AMPLIFIER	SMALL 5-PIN	FIG. 8	4½" x 19"	HEATER	2.5	1.0	250	_	CLASS A AMPLIFIER BIAS DETECTOR	250 250	-13.5   ∫ -20.0	<del> </del>	<del> </del>	5.0 Pla	9500 ate current		13.8 1sted to 0.	2 milliam	pere	56	
<b> </b>	DETECTOR★	-				<del> </del>		-		SCREEN GRID	250	- 3.0	100	0.5	2.0	exceeds	with no	exceeds	·	l —		
57	TRIPLE-GRID DETECTOR AMPLIFIER	SMALL 6-PIN	FIG. 11	$4\frac{15}{16}$ " x $1\frac{9}{16}$ "	HEATER	2.5	1.0	250	100	R-F AMPLIFIER BIAS DETECTOR	250	- 1.95	<del> </del>	Cathode 0.65	current	1.5 meg.	Plate co	1500 oupling resignation			57	
	★For Grid # Requires	I-leak Detections different socket	-plate volts from small 7	45, grid return to -pin.	+ filament or	to cath	ode.					id next to population				grids tied 250000 oh:		**For	grid of fol	lowing tub	e.	
F.0	TRIPLE-GRID	SMALL 8-PIN	FIG. 11	4 <sup>15</sup> / <sub>16</sub> " x 1 <sup>9</sup> / <sub>16</sub> "	HEATER	2.5	1.0	250	100	SCREEN GRID R-F AMPLIFIER	250	$\left\{ \begin{array}{l} -3.0 \\ \min, \end{array} \right\}$	100	2.0	8.2	800000	1600	1280			58	
58	SUPER-CONTROL AMPLIFIER	SMIALL 6-PIN	FIG. II	416 X 116	HEATER			1200		MIXER IN SUPERHETERODYNE AS TRIODE ¶	250	-10.0	100		<u> </u>	<del></del>	1	peak volts	<del></del>			
-	TRIPLE-GRID			63" 01"	HEATER	2.5	2.0	250 250	250	AS PENTODE **	250	-18.0	250	9.0	26.0 35.0	40000	2500	100	5000 6000	3.00	59	
59	POWER AMPLIFIER	MEDIUM 7-PINA	FIG. 18	$5\frac{3}{8}$ x $2\frac{1}{16}$	HEATER		•••	400	250	AS TRIODE CLASS B AMPLIFIER	300 400	0	-		Power	output val	ues are for	2 tubes	4600 6000	15.0	33	
71-A	POWER AMPLIFIER	MEDIUM 4-PIN	FIG. 1	411 x 113"	FILAMENT	5.0	0.25	180	_	CLASS A AMPLIFIER	90	-19.0 -43.0	<del> </del>	<del> </del>	10.0	2170 1750	1400 1700	3.0 3.0	3000 4800	0.125 0.790	71-A	
75	DUPLEX-DIODE HIGH-MU TRIODE	SMALL 6-PIN	FIG. 13	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250	_	TRIODE UNIT AS CLASS A AMPLIFIER	050-	-1.35	1=		0.4			· ·	per stage	·	75	
76	SUPER-TRIODE AMPLIFIER	SMALL 5-PIN	FIG. 8	4½" x 1½"	HEATER	6.3	0.3	250		CLASS A AMPLIFIER		-13.5	=		5.0 Pla	9500 ate current	1450 to be adj	13.8 usted to 0.	2 milliam	pere	76	
	DETECTOR★		<del> </del>				<del> </del>			BIAS DETECTOR  SCREEN GRID	100	-20.0 $-1.5$	60	0.4	1.7	650000	1100	p signal.	I	I	<b></b>	
77	TRIPLE-GRID DETECTOR AMPLIFIER	SMALL 6-PIN	FIG. 11	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0,3	250	100	R-F AMPLIFIER BIAS DETECTOR	250 250	- 3.0 - 1.95	100	0.5 Cathode 0.65	current	1500000		1500 oupling resignation			77	
	TRIPLE-GRID			†						SCREEN GRID	90 180	[- 3.0]	90 75	1.3	5.4	315000 1000000	1275 1100	400 1100			70	
78	SUPER-CONTROL AMPLIFIER	SMALL 6-PIN	FIG. 11	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250	125	R-F AMPLIFIER	250 250	( min. )	100 125	1.7 2.6	7.0 10.5	800000 600000	1450 1650	1160 990			78	
79	TWIN-TRIODE AMPLIFIER	SMALL 6-PIN	FIG. 19	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.6	250	_	CLASS B AMPLIFIER	180 250	0	I			output va tated load			7000 14000	5.5 8.0	79	
85	DUPLEX-DIODE TRIODE	SMALL 6-PIN	FIG. 13	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.3	250	T_	TRIODE UNIT AS CLASS A AMPLIFIER	135 180	-10.5 -13.5	_		3.7 6.0	11000 8500	750 975	8.3 8.3	25000 20000	0.075		
ļ	TRIODE		<u> </u>	"		-	<u> </u>	<del>                                     </del>	-		160	-20.0	-	<del> </del>	17.0 20.0	7500 3300 3000	1100 1425 1550	8.3 4.7 4.7	7000 6500	0.350 0.300 0.400	_	
										AS TRIODE ¶ CLASS A AMPLIFIER	180 250 100	-22.5 -31.0 -10.0	100	1.6	32.0	2600 104000	1800 1200	4.7	5500 10700	0.900	-	
89	TRIPLE-GRID POWER AMPLIFIER	SMALL 6-PIN	FIG. 14	$4\frac{17}{32}$ " x $1\frac{9}{16}$ "	HEATER	6.3	0.4	250	250	AS PENTODE CLASS A AMPLIFIER	180 250	-18.0 -25.0	180 250	3.0	20.0	80000 70000	1550 1800	125 125	8000 6750	1.50	89	
			ĺ							AS TRIODE OF CLASS B AMPLIFIER		0	<del></del>		Power	output val	lues are for ate-to-plat	2 tubes c load.	13600 9400	2.50 3.50		
V99 X99	DETECTOR*	SMALL 4-NUB SMALL 4-PIN	FIG. 10 FIG. 1	$3\frac{1}{2}'' \times 1\frac{1}{16}''$ $4\frac{1}{8}'' \times 1\frac{3}{12}''$	D-C FILAMENT	3.3	0.063	90	<b> </b>	CLASS A AMPLIFIER		- 4.5		T —	2.5	15500	425	6.6			V99 X99	
112-A	TRIODE  DETECTOR★  AMPLIFIER	MEDIUM 4-PIN	FIG. 1	411 x 113 "	D-C FILAMENT	5.0	0.25	180		CLASS A AMPLIFIER	90 180	- 4.5 -13.5		1—	5.0 7.7	5400 4700	1575 1800	8.5 8.5			112-A	
-	TRIODE ★For Grid	-leak Detection-	-plate volts 4	5, grid return to	filament or to	cathod	e.	J Fan		**Grid #1 i *Grid #1 i	s control	grid. G	rid #2 is	screen.	Grid #3	tied to ca	thode.	ugh plate o	coupling re	sistor of 2	50000 ohms	
	of D. (	L. C. or D. C. ma C. on A-C filam different socket	ent types, de	n filament or hea ecrease stated gri -pin.	id volts by ½	appro	.) of filan	nent voi	tage.	• Grids * 1	and #2	connected	together	. Grid #	3 tied to	plate.	*For grid	of followin	g tube.			
<b>5Z</b> 3	FULL-WAVE	MEDIUM 4-PIN	FIG. 2	$5\frac{3}{8}$ " x $2\frac{1}{16}$ "	FILAMENT	5.0	3.0			<u> </u>	N	Maximum I	A-C Volta	ge per Pis	te	5	00 Volts, I	RMS operes			523	
1223	RECTIFIER HALF-WAVE	SMALL 4-PIN	FIG. 22	4½" x 1½"	HEATER	12.6	+	†=	1_		N	Maximum A	A-C Plate	Voltage		2	50 Volts, I	RMS			1223	
2575	RECTIFIER RECTIFIER- DOUBLER	SMALL 6-PIN	FIG. 5	4½" x 1½"	HEATER	25.0	0.3	1-	† <del></del>		N	Maximum Maximum I	A-C Volta	ge per Pla	te	1	25 Volts, I	RMS			2525	
I-v°	HALF-WAVE RECTIFIER	SMALL 4-PIN	FIG. 22	4½" x 19"	HEATER	6.3	0.3	1_	1-		N N	Aaximum A	A-C Plate	Voltage ut Curren	t	3	50 Volts, F	RMS			I-v°	
80	FULL-WAVE RECTIFIER	MEDIUM 4-PIN	FIG. 2	411 x 113"	FILAMENT	5.0	2.0	1-	-	A-C Voltage per D-C Output Cu	r Plate (	Volts RMS	350	400 550	The		ting appli	es to filter	circuits ha	ving an	80	
<del></del>	HALF-WAVE	<del> </del>	+	1	<del> </del>	1	1 25	1	+			Maximum A				7	00 Volts, I	RMS			'81	

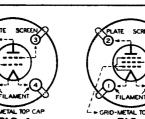
TUBE SYMBOLS AND BOTTOM VIEWS OF SOCKET CONNECTIONS

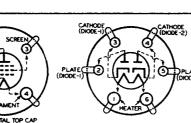


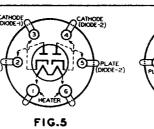


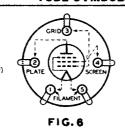












Pin Numbers on Socket Diagrams are shown according to the new system recently standardizes by the Radio Manu-

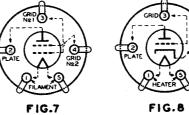
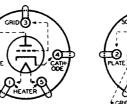


FIG. 23



 $4\frac{11}{16}^{"} \times 1\frac{13}{16}^{"}$ 

 $5\frac{3}{8}$ " x  $2\frac{1}{16}$ "

4¼" x 1%"

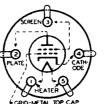


FIG.9

2.5 3.0

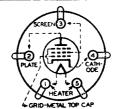
5.0 3.0

HEATER ▲ 5.0 2.0

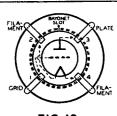
FILAMENT

FILAMENT

HEATER



INDEX OF TYPES BY USE AND BY CATHODE VOLTAGE



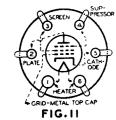


FIG.12

82

83-V

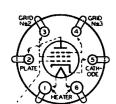
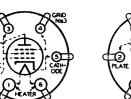


FIG. 14



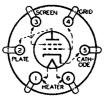
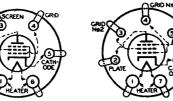
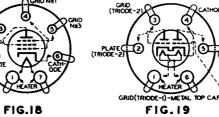
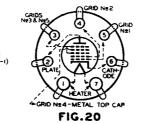


FIG.15









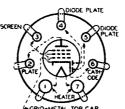


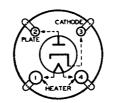
FIG. 21

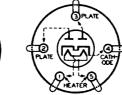
POWER AMPLIFIERS

10, 50

5.0 112-A, 71-A 6.3 6A4, 6A6, 38, 41, 42, 79, 89

CATHODE VOLTS





VOLTAGE AMPLIFIERS
Including Duplex-Diode Types

01-A, 40, 112-A

6B7, 6C6, 6D6, 6F7, 36, 37, 39-44, 75, 76, 77, 78, 8

F1G.23

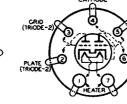
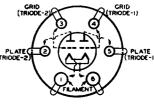


FIG.24

6A7, 6F7

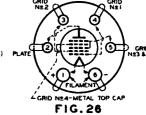


F1G.25

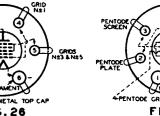
DETECTORS

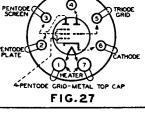
00-A, 01-A, 40, 112-A

6B7, 6C6, 6F7, 36, 37, 75, 76, 77, 85



6A7, 6C6, 6D6, 6F7, 36, 39-44, 77, 78





RECTIFIERS

5Z3, 80, 83, 83-V 1-v, 84

12Z3 25**Z**5

	INDEX OF TYPES BY USE AND BY CATHODE VOLTAGE											
CATHODE VOLTS	POWER AMPLIFIERS	VOLTAGE AMPLIFIERS Including Duplex-Diode Types	CONVERTERS IN SUPERHETERODYNES	DETECTORS	MIXER TUBES IN SUPERHETERODYNES	RECTIFIERS	CATHODE VOLTS					
1.1		11, 12		11, 12			1.1					
1.5		26					1.5					
2.0	19, 31, 33, 49	30, 32, 34	1A6, 1C6	30, 32	1A6, 1C6, 34		2.0					
2.5	2A3, 2A5, 45, 46, 47, 53, 59	2A6, 2B7, 24-A, 27, 35, 55, 56, 57, 58	2A7	2A6, 2B7, 24-A, 27, 55, 56, 57	2A7, 24-A, 35, 57, 58	82	2.5					

FIG. 15A



FORM Nº 1275 © 1935, RCA MANUFACTURING CO., INC.

3.3

5.0 6.3 7.5 12.6

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