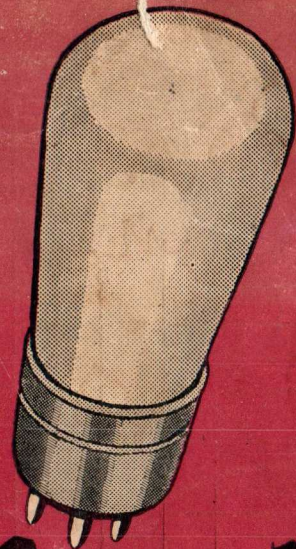


RADIO VALVE



MANUAL

AMERICAN AND
BRITISH VALVES
WITH WORKING
CHARACTERISTICS
CURVES
AND DATA

EQUIVALENTS AND
ALTERNATIVES
BASE WIRING
DIAGRAMS
CHARTS
ETC.



BERNARDS (PUBLISHERS), LTD.
THE GRAMPIANS WESTERN GATE
LONDON, W.6.
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AMERICAN TYPE VALVE CLASSIFICATION CHART.

Heater or Filament VOLTAGE	POWER AMPLIFIERS.											ELECTRON-RAY VALVES.				GAS.			
	TRIODES.				BEAM POWER VALVES.		PENTODES.					Direct Coupled Amplifier.	Tetrode.	SINGLE.		Twin without Triode.	Triode	Tetrode	
	LOW-MU		HIGH-MU		No Rectifier.	With Rectifier.	Single Unit.	Twin Unit.	With Diode, and Triode.	With Medium Mu Triode.	With Rectifier.			Television Beam Power.	With Remote Cut-off Triode.				With Sharp Cut-off Triode.
	Single Unit.	Twin Unit.	Single Unit.	Twin Unit.															
0-0625							CK505.							M54.					
1-1	11/12, 864.																		
1-25	958.						CK501, CK502, CK503, CK504.												
1-4				IC6.	IQ5, 3Q5, 1T5, 3B5.		IA5, 1SL4, IC5, 1L6, 4, 3A4, 3A, 1Y25, 3C5, 3LE4.		1D8.					3LF4.					
2-0	3I, RK24.	4A6.	49	IJ6, 19.			IF5, IF4, 33, IC51, J5, 950.	1E7.											
2-5	2A3, 45, 2B6.		46, RK15.	53.			2A5, 47, 59, 95, RK16, RK17.							2E5, 2G5.			2A4C.		
3-0	485.																		
3-3	20.																		
4-0		4A6.																	
5-0	183/483, 00-A, 012, 01-A, 71A, 12A, 182B/482B, AX, 01B, 101A, 201, 301, 401.						257.												
6-3	6A3, 6B4, 6A5C, 955, 1201, 9002.	6E6, 1635.	6AC5, 6C4.	6N7, 6A6, 6Y6, 6Y7, 6Z7, 79	6L6, 6V6, 6Y6, 1622, 6AL6, 6U6, 6W6.		6F6, 42, 6K6, 41, 606, 3B, 6A2, 89, 1611, 1521, 6AC6, 6M6.		6AD7.		6AC7.	6AB6, 6AC6, 6N5, 6B5.	6H5, 6C5, 6AB5, 6T5, 6N5, 6U5.	6X6, 6E5.	6AF7, 6AF5, 6AD6.	884	2050, 2051.		
7-0					7A5, 7C5.		785.												
7-5	10, 50.																		
12-6					12A6, 1631, 1632.		12A5.	1644.			12A7.			1629.					
14-0					14A5, 14C5.														
20-0																			
21-0																			
25-0			25AC5.		25L6, 25C6		25A6, 25B6, 43.			25A7.			25B5, 25N6.						
30-0												48.							
32-5							32L7.												
35-0					35A5, 35L6.														
40-0																			
45-0																			
50-0					50L6, 50A5, 50C6.														
70-0							70L7, 70A7.												
117-0							117L7, 117N7, 117P7, 117M7.												

AMERICAN TYPE VALVES

VALVE NUMBER	BASE CON. NEC-TION	CLASS	CATHODE TYPE AND RATING			FOR USE AS	ANODE VOLTS	ANODE CURRENT MILLIAMP	SCREEN VOLTS	SCREEN CURRENT MILLIAMP	GRID BIAS VOLTS	A C PLATE RESIST- ANCE OHMS	AMPLI- FICATION FACTOR	TRANS- CONDUCT- ANCE (GRID-PLATE) UMHOS	LOAD FOR STATED POWER OUTPUT OHMS	POWER OUTPUT WATTS
			VOLTS	AMP.	C.T.											
00-A	6	DETECTOR TRIODE	5.0	0.25	D.C. F	GRID-LEAK DETECTOR	45	1.5		GRID RETURN TO (-) FILAMENT	30000	20	666	—	—	
01-A	6	DETECTOR AMPLIFIER	5.0	0.25	D.C. F	CLASS A AMPLIFIER	90 135	2.5 3.0	—	—	-4.5 -9.0	11000 10000	8.0 8.0	725 800	—	
0A4-G	14	GAS-TRIODE			COLD	RELAY SERVICE	PEAK CATHODE CURRENT, 100 MAX MA D.C. CATHODE CURRENT, 25 MAX MA DROPP, 60 APPROX. VOLTS. ANODE DROP, 70 APPROX. VOLTS.									
0Z3	36	FULL-WAVE GAS RECTIFIER			COLD	RECTIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 0Z4.									
0Z4 (G)	13	FULL-WAVE GAS RECTIFIER			COLD	RECTIFIER	STARTING-SUPPLY VOLTAGE PER PLATE, 300 MIN. PEAK VOLTS. PEAK PLATE CURRENT, 200 MAX. MA. D.C. OUTPUT CURRENT, 75 MAX., 30 MIN MA D.C. OUTPUT VOLTAGE, 300 MAX. VOLTS.									
1	9	HALF-WAVE RECTIFIER	6.3	0.3	HTR.	RECTIFIER	MAX. A.C. VOLTAGE PER PLATE, 350. MAX. D.C. OUTPUT IN MA., 50. MAX. INVERSE PEAK VOLTS, 1000. MAX. PEAK CURRENT, 400 MA.									
1A3	163	H.F. DIODE	1.4	0.15	FIL.	DETECTOR	MAX. A.C. VOLTAGE PER PLATE -117. MAX. OUTPUT CURRENT -0.5 MA.									
1A4-P	12	SUPER-CONTROL R.F. AMPLIFIER PENTODE	2.0	0.06	D.C. F	AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1D5-GP									
1A4-T	10	SUPER-CONTROL R.F. AMPLIFIER TETRODE	2.0	0.06	D.C. F	AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1D5-GT									
1A5-GT/G	75	POWER AMPLIFIER PENTODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	85 90	3.5 4.0	85 90	0.7 0.8	-4.5 -4.5	300000 300000	—	800 850	25000 25000	0.100 0.115
1A6	68	PENTAGRID CONVERTER ⑤	2.0	0.06	D.C. F	CONVERTER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1D7-G.									
1A7-G (GT)	113	PENTAGRID CONVERTER ⑥	1.4	0.05	D.C. F	CONVERTER	90	0.55	45 ⑭	0.6	0	600000	ANODE GRID (#2): 90 MAX. VOLTS. 1.2 MA. OSCILLATOR GRID (#1) RESISTOR, 0.2 MEG. CONVERSION TRANSCOND., 250 MICROMHOS.			
1B4-P	12	R.F. AMPLIFIER PENTODE	2.0	0.06	D.C. F	AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1E5-GP.									
1B5/2SS	60	DUPLEX-DIODE TRIODE	2.0	0.06	D.C. F	TRIODE UNIT AS AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1H6-G.									
1B7-G	113	PENTAGRID CONVERTER	1.4	0.10	D.C. F	OSCILLATOR-AMPLIFIER CONVERTER	90	1.5	45	1.3	GRID RETURNS THRU 200000 RESISTOR TO (-) F	350000-	—	350	GRID No. 2, 90 VOLTS, 1.6 MA.	
1B8-GT	128	MULTI-PURPOSE	1.4	0.10	D.C. F	DIODE-TRIODE BEAM AMPLIFIER	90 90	0.15 6.3	90	1.4	TRIODE, 0 BEAM AMP., -6	240000	—	275 1150	1400	210 MW
1C4	12	SUPER-CONTROL R.F. AMPLIFIER PENTODE	2.0	0.12	D.C. F	AMPLIFIER	180	2.5	67.5	0.9	0	1000000	1000	1000	—	—
1C5-GT/G	75	POWER AMPLIFIER PENTODE	1.4	0.10	D.C. F	CLASS A AMPLIFIER	83 90	7.0 7.5	83 90	1.6 1.6	-7.0 -7.5	110000 115000	—	1500 1550	9000 8000	0.20 0.24
1C6	68	PENTAGRID CONVERTER ⑧	2.0	0.12	D.C. F	CONVERTER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1C7-G.									
1C7-G	113	PENTAGRID CONVERTER ⑧	2.0	0.12	D.C. F	CONVERTER	135 180	1.3 1.5	67.5 67.5	2.5 2.0	-3.0 -3.0	600000 700000	ANODE GRID (#2): 180 ⑩ MAX VOLTS. 4.0 MA. OSCILLATOR-GRID (#1) RESISTOR. CONVERSION TRANSCOND., 325 MICROMHOS. ⑪			
1D4	28	POWER AMPLIFIER PENTODE	2.0	0.24	D.C. F	CLASS A AMPLIFIER	180	9.5	180	2.3	-6.0	137000	330	—	15000	0.75

AMERICAN TYPE VALVES

VALVE NUMBER	BASE CONNECTION	CLASS	CATHODE TYPE AND RATING			FOR USE AS	ANODE VOLTS	ANODE CURRENT MILLIAMPS.	SCREEN VOLTS	SCREEN CURRENT MILLIAMPS.	GRID BIAS VOLTS	A.C. PLATE RESISTANCE OHMS	AMPLIFICATION FACTOR	TRANS. CONDUCTANCE (GRID-PLATE) UMHOS	LOAD FOR STATED POWER OUTPUT OHMS	POWER OUTPUT WATTS
			VOLTS	AMP.	C.T.											
1D5-GP	41	SUPER-CONTROL R.F. AMPLIFIER PENTODE	2.0	0.06	D.C. F	CLASS A AMPLIFIER	90 180	2.2 2.3	67.5 67.5	0.9 0.8	{ -3.0 MIN. }	600000 1000000	425 750	720 750	—	—
1D5-GT	184	SUPER-CONTROL R.F. AMPLIFIER TETRODE	2.0	0.06	D.C. F	AMPLIFIER	135 180	2.2 2.2	67.5 67.5	0.7 0.7	-3.0 -3.0	350000 600000	—	825 659	—	—
1D7-G	113	PENTAGRID CONVERTER (8)	2.0	0.06	D.C. F	CONVERTER	135 180	1.2 1.3	67.5 67.5	2.5 2.4	{ -3.0 MIN. }	400000 500000	ANODE-GRID (#2) : 180 (3) MAX. VOLTS 2.3 MA. OSCILLATOR-GRID (#1) RESISTOR. (19) CONVERSION TRANSCOND., 300 MICROMHOS.			
1D8-GT	120	DIODE-TRIODE POWER AMPLIFIER PENTODE	1.4	0.1	D.C. F	PENTODE UNIT AS CLASS A AMPLIFIER	45 90	1.6 5.0	45 90	0.3 1.0	-4.5 -9.0	300000 200000	—	650 925	20000 12000	0.035 0.200
						TRIODE UNIT AS CLASS A AMPLIFIER	45 90	0.3 1.1	—	—	0 0	77000 43500	25 25	325 575	—	—
						AMPLIFIER	90	1.5	—	—	-3.0	17000	14	825	—	—
1E4-G	38	GENERAL PURPOSE TRIODE	1.4	0.05	D.C. F	AMPLIFIER	90	1.5	—	—	-3.0	17000	14	825	—	—
1E5-GP	41	R.F. AMPLIFIER PENTODE	2.0	0.06	D.C. F	CLASS A AMPLIFIER	90 180	1.6 1.7	67.5 67.5	0.7 0.6	-3.0 -3.0	1000000 1500000	550 1000	600 650	—	—
1E7-G	135	TWIN-PENTODE POWERAMPLIFIER	2.0	0.24	D.C. F	PUSH-PULL CLASS A AMPLIFIER	135	7.0	135	2.0	-7.5	260000	—	1425	24000	0.575 (16)
1F4	33	POWER AMPLIFIER PENTODE	2.0	0.12	D.C. F	AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1F5-G.									
1F5-G	75	POWER AMPLIFIER PENTODE	2.0	0.12	D.C. F	CLASS A AMPLIFIER	90 135	4.0 8.0	90 135	1.1 2.4	-3.0 -4.5	240000 200000	—	1400 1700	20000 16000	0.11 0.31
1F6	74	DUPLEX-DIODE PENTODE	2.0	0.06	D.C. F	PENTODE UNIT AS AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1F7-GV.									
1F7-G (GV)	82	DUPLEX-DIODE PENTODE	2.0	0.06	D.C. F	PENTODE UNIT AS R.F. AMPLIFIER	180	2.2	67.5	0.7	-1.5	1000000	—	650	—	—
						PENTODE UNIT AS A.F. AMPLIFIER	135 (18)	—	—	—	—	-2.0	SCREEN SUPPLY, 135 VOLTS APPLIED THROUGH 0.8-MEGOHM RESISTOR GRID RESISTOR (2) 1.0 MEGOHM. VOLTAGE GAIN, 46			
1G4-GT/G	38	DETECTOR AMPLIFIER TRIODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	90	2.3	—	—	-6.0	10700	8.8	825	—	—
1G5-G	75	POWER AMPLIFIER PENTODE	2.0	0.12	D.C. F	CLASS A AMPLIFIER	90 135	8.5 8.7	90 135	2.5 2.5	-6.0 -13.5	133000 160000	—	1500 1550	8500 9000	0.25 0.55
1G6-GT/G	80	TWIN-TRIODE AMPLIFIER	1.4	0.10	D.C. F	CLASS B AMPLIFIER	90	2.0	—	—	0	—	—	—	12000	0.675 (9)
1H4-G		DETECTOR AMPLIFIER TRIODE (1)	2.0	0.06	D.C. F	CLASS A AMPLIFIER	90 135 180	2.5 3.0 3.1	—	—	-4.5 -9.0 -13.5	11000 10300 10300	9.3 9.3 9.3	850 900 900	—	—
						CLASS B AMPLIFIER	157.5	1.0 (13)	—	—	-15.0	—	—	8000	2.1 (3)	
						TRIODE UNIT AS CLASS A AMPLIFIER	90	0.15	—	—	0	240000	65	275	—	—
1H5-G (GT)	42	DIODE HIGH-MU TRIODE	1.4	0.05	D.C. F	TRIODE UNIT AS CLASS A AMPLIFIER	90	0.8	—	—	-3.0	35000	20	575	—	—
1H6-G	79	DUPLEX-DIODE TRIODE	2.0	0.06	D.C. F	TRIODE UNIT AS CLASS A AMPLIFIER	135	0.8	—	—	-3.0	35000	20	575	—	—
1J5-G	75	POWER AMPLIFIER PENTODE	2.0	0.12	D.C. F	CLASS A AMPLIFIER	135	7.0	135	1.8	-16.5	125000	125	1000	13500	0.450
1J6-G*	80	TWIN-TRIODE AMPLIFIER	2.0	0.24	D.C. F	CLASS B AMPLIFIER	135 135	(17) 5.0	—	—	0 -3.0	—	—	—	10000 10000	2.1 1.9 (16)

AMERICAN TYPE VALVES

VALVE NUMBER	BASE CONNECTION	CLASS	CATHODE TYPE AND RATING			FOR USE AS	ANODE VOLTS	ANODE CURRENT MILLIAMPS.	SCREEN VOLTS	SCREEN CURRENT MILLIAMPS.	GRID BIAS VOLTS	A.C. PLATE RESISTANCE OHMS	AMPLIFICATION FACTOR	TRANS-CONDUCTANCE (GRID-PLATE) UMHOS	LOAD FOR STATED POWER OUTPUT OHMS	POWER OUTPUT WATTS	
			VOLTS	AMP.	C.T.												
1L4	50	R.F. PENTODE AMPLIFIER	1.4	0.05	F	CLASS A AMPLIFIER	90	4.5	90	2.0	0	350000	—	1025	—	—	
1LA4	23	POWER AMPLIFIER PENTODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1A5-GT/1A5-G										OSC. GRID THRU 200000 Ω TO -F, ANODE GRID 90 V., 1.2 MA.
1LA6	86	PENTAGRID CONVERTER	1.4	0.05	D.C. F	CONVERTER	90	0.55	45	0.6	0	750000	—	250	—	—	
1LB4 (G)	23	POWER AMPLIFIER PENTODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	90	5.0	90	1.0	-9.0	200000	—	925	12000	0.20	
1LB6-GL	129	PENTAGRID CONVERTER	1.4	0.05	D.C. F	CONVERTER	90	0.4	67.5	2.2	0	2000000	—	100	ANODE GRID 67.5 V., 1.2 MA.		
1LC5	89	R.F. AMPLIFIER PENTODE	1.4	0.5	D.C. F	AMPLIFIER	90	1.15	45	0.2	0	1500000	—	775	—	—	
1LC6	86	PENTAGRID CONVERTER (8)	1.4	0.05	D.C. F	CONVERTER	45	0.7	35	1.4	0	300000	ANODE-GRID (#2) : 45 MAX. VOLTS, 1.4 MA. OSCILLATOR-GRID, (#1) RESISTOR, 0.2 MEG. CONVERSION TRANSCOND., 250 MICROMHOS.				
1LD5	55	DIODE-PENTODE	1.4	0.05	D.C. F	PENTODE UNIT AS AMPLIFIER	90	0.6	45	0.1	0	750000	—	575	—	—	
1LE3-GL	1	TRIODE	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1E4-G										—	—	—		
1LH4	25	DIODE HIGH-MU TRIODE	1.4	0.05	D.C. F	TRIODE UNIT AS CLASS A AMPLIFIER	90	0.15	—	—	0	240000	65	275	—	—	
1LN5	89	R.F. AMPLIFIER PENTODE	1.4	0.05	D.C. F	FOR OTHER CHARACTERISTICS, REFER TO TYPE 1N5-G										—	
1N5-G (GT)	41	R.F. AMPLIFIER PENTODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	90	1.2	90	0.3	0	1500000	—	750	—	—	
1N6-G (GT)	88	DIODE-POWER AMPLIFIER PENTODE	1.4	0.05	D.C. F	PENTODE UNIT AS A.F. AMPLIFIER	90	3.1	90	0.6	-4.5	300000	—	800	25000	0.10	
1P5-G (GT)	41	R.F. AMPLIFIER PENTODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	90	2.3	90	0.7	0	800000	640	750	—	—	
1Q5-GT/G	48	BEAM POWER AMPLIFIER	1.4	0.10	D.C. F	CLASS A AMPLIFIER	90	9.5	90	1.6	-4.5	—	—	2100	8000	0.27	
1R5	92	PENTAGRID CONVERTER	1.4	0.05	D.C. F	CONVERTER	45 90	0.7 0.8	45 45	1.9 1.8	0 0	600000 750000	GRID # 1 RESISTOR, 100000 OHMS. CONVERSION TRANSCOND., 250 UMHOS				
1S4	94	POWER AMPLIFIER PENTODE	1.4	0.10	D.C. F	CLASS A AMPLIFIER	45	3.8	45	0.8	-4.5	100000	—	1250	8000	0.065	
1S5	53	DIODE-PENTODE	1.4	0.05	D.C. F	PENTODE UNIT AS CLASS A AMPLIFIER	PLATE SUPPLY, 41 VOLTS APPLIED THROUGH 1 MEGOHM RESISTOR SCREEN SUPPLY, 41 VOLTS. GRID BIAS, 0 VOLTS, GRID RESISTOR, 10 MEGOHMS. VOLTAGE GAIN, 30 APPROXIMATELY. (7)										—
1SA6-GT	58	R.F. AMPLIFIER PENTODE	1.4	0.05	D.C. F	AMPLIFIER	90	2.45	67.5	0.68	0	800000	—	970	—	—	
1SB6-GT	59	DIODE-PENTODE	1.4	0.05	D.C. F	PENTODE UNIT AS AMPLIFIER	90	1.45	67.5	0.38	0	700000	—	665	—	—	
1T4	50	SUPER-CONTROL R.F. AMPLIFIER PENTODE	1.4	0.05	D.C. F	CLASS A AMPLIFIER	45 90	1.9 2.0	45 45	0.7 0.65	0 0	350000 800000	—	700 750	—	—	
1T5-GT	75	BEAM POWER AMPLIFIER	1.4	0.05	D.C. F	CLASS A AMPLIFIER	90	6.5	90	1.4	-6.0	—	—	1150	14000	0.17	
1-V	9	HALF-WAVE RECTIFIER	6.3	0.3	H	WITH CONDENSER INPUT FILTER	MAX. A.C. PLATE VOLTS (RMS) 325 MAX. D.C. OUTPUT MA., 45					MINIMUM TOTAL EFFECTIVE PLATE-SUPPLY IMPEDANCE: UP TO 117 VOLTS, 0 OHMS; AT 150 VOLTS, 30 OHMS; AT 325 VOLTS, 75 OHMS					

AMERICAN TYPE VALVES

VALVE NUMBER	BASE CON- NEC- TION	CLASS	CATHODE TYPE AND RATING			FOR USE AS	ANODE VOLTS	ANODE CURRENT MILLIAMPS.	SCREEN VOLTS	SCREEN CURRENT MILLIAMPS	GRID BIAS VOLTS	A.C. PLATE RESISTANCE OHMS	AMPLIFICATION FACTOR	TRANS-CONDUCTANCE (GRID-PLATE) UMHOS	LOAD FOR STATED POWER OUTPUT OHMS	POWER OUTPUT WATTS	
			VOLTS	AMP.	C.T.												
2A3	6	POWER AMPLIFIER TRIODE	2.5	2.5	F	CLASS A AMPLIFIER	250	60.0	—	—	-45.0	800	4.2	5250	25000	3.5	
						PUSH-PULL CLASS AB ₁ AMPLIFIER	300	80.0 (12)	CATHODE BIAS, 780 OHMS (13)			—	—	—	—	—	5000
							300	80.0 (13)	-62 VOLTS, FIXED BIAS						3000.	15.0 (12)	
2A4-G	38	ARGON-FILLED THYRATRON	2.5	2.5	F	CONTROL TUBE	200	AVERAGE ANODE CURRENT, 100 MA. PEAK ANODE CURRENT, 1.25 AMP. TUBE DROP, 15 VOLTS. COLD STARTING TIME, 2 SECONDS.									
2A5	56	POWER AMPLIFIER PENTODE	2.5	1.75	H	AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 6F6.										
2A6	64	DUPLEX-DIODE HIGH-MU TRIODE	2.5	0.8	H	TRIODE UNIT AS AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 6SQ7.										
2A7 (S)	99	PENTAGRID CONVERTER (8)	2.5	0.8	H	CONVERTER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 6A8.										
2B6	—	SPECIAL POWER AMPLIFIER	2.5	2.25	H	AMPLIFIER	250	40	—	—	-24	5150	18	3500	5000	4.0	
2B7	100	DUPLEX-DIODE PENTODE	2.5	0.8	H	PENTODE UNIT AS AMPLIFIER	FOR OTHER CHARACTERISTICS, REFER TO TYPE 6B8-G.										
2E5	71	ELECTRON-RAY TUBE	2.5	0.8	H	TUNING INDICATOR	FOR OTHER CHARACTERISTICS REFER TO TYPE 6E5.										
2G5	71	ELECTRON-RAY TUBE	2.5	0.8	H	VISUAL INDICATOR	250	—	TARGET 250	—	-22 FOR 0° SHADOW ANGLE	PLATE VOLTAGE SUPPLIED THROUGH 1 MEG. RESISTOR					
2V3-G	17	HALF-WAVE RECTIFIER	2.5	5.0	F	RECTIFIER	MAX. PEAK INVERSE PLATE VOLTS, 16500. MAX. PEAK PLATE CURRENT, 12 MA. AVERAGE PLATE CURRENT, 2 MA.										
2W3 (GT)	16	HALF-WAVE RECTIFIER	2.5	1.5	F	MAXIMUM A.C. VOLTAGE 350 VOLTS, RMS											
						MAXIMUM D.C. OUTPUT CURRENT 55 MILLIAMPERES											
2X2/879	2	HALF-WAVE RECTIFIER	2.5	1.75	H	RECTIFIER	MAX. A.C. PLATE VOLTS (RMS), 4500. MAX. D.C. OUTPUT MA., 7.5.										
							MAX. PEAK INVERSE VOLTS, 12500. MAX. PEAK PLATE MA., 100.										
2X3 (G)	16	HALF-WAVE RECTIFIER (4)	2.5	2.0	F	WITH CONDENSER-INPUT FILTER	MAX. A.C. PLATE VOLTS (RMS), 350		MAX. D.C. OUTPUT MA., 125		MIN. TOTAL EFFECTIVE SUPPLY IMPEDANCE, 10 OHMS						
						WITH CHOKE-INPUT FILTER	MAX. A.C. PLATE VOLTS (RMS), 1400		MAX. PEAK PLATE MA., 375								
2Y2	2	HALF-WAVE RECTIFIER	2.5	1.75	H	MAXIMUM A.C. VOLTAGE 4500 VOLTS, RMS											
						MAXIMUM D.C. OUTPUT CURRENT 5.0 MILLIAMPERES											
2Z2/G84	4	HALF-WAVE RECTIFIER	2.5	1.50	F	RECTIFIER	MAX. A.C. PLATE VOLTS (RMS), 350. MAX. D.C. OUTPUT CURRENT, 50 MA.										
3A4	168	POWER AMPLIFIER PENTODE	1.4	0.2	FIL.	CLASS A AMPLIFIER	135	14.8	90	2.6	-7.5	90000	—	1900	8000	0.6	
			2.8	0.1			150	13.3	90	2.2	-8.4	100000			0.7		
3A5	173	H.F. TWIN TRIODE	1.4	0.22	FIL.	CLASS A AMPLIFIER	90	3.7	—	—	-2.5	8.300	15	1800	—	—	
			2.8	0.11													
3A8-GT	125	DIODE-TRIODE R.F. PENTODE	1.4	0.1	D.C. F	TRIODE UNIT AS CLASS A AMPLIFIER	90	0.2	—	—	0	200000	65	325	—	—	
			2.8	0.05		PENTODE UNIT AS CLASS A AMPLIFIER	90	1.5	90	0.5	0	800000	—	750	—	—	
3B5-GT	90	BEAM POWER AMPLIFIER	1.4	0.10	D.C. F	CLASS A AMPLIFIER	67.5	6.7	67.5	0.5	-7.0	100000	—	1500	5000	0.18	
3C5-GT	82	POWER AMPLIFIER PENTODE	1.4	0.10	D.C. F	POWER AMPLIFIER PENTODE	90	6.0	—	—	-9.0	—	—	1450	10000	0.26	
			2.8	0.05													
3LE4	57	POWER AMPLIFIER PENTODE	2.8	0.05	D.C. F	CLASS A AMPLIFIER	90	9.0	90	1.8	-9.0	110000	—	1600	6000	0.30	