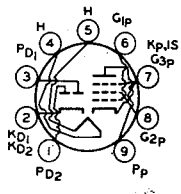
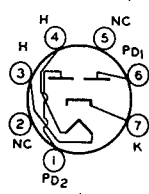


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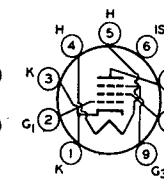
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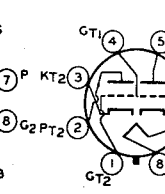
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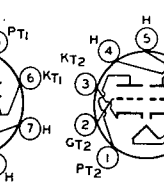
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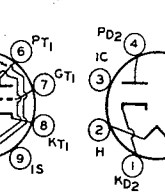
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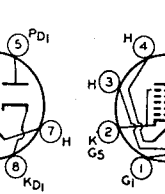
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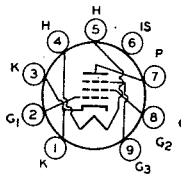
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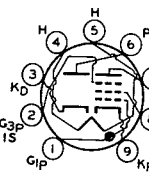
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6BY5-GA



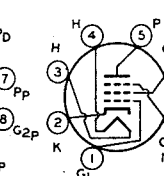
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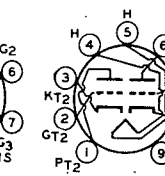
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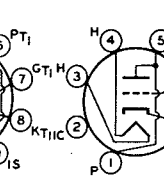
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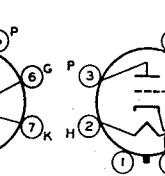
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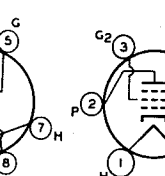
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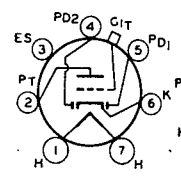
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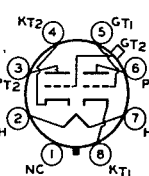
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6C5-G
6C5-GT



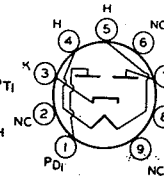
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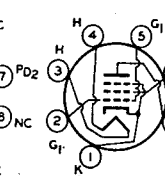
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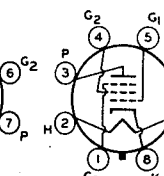
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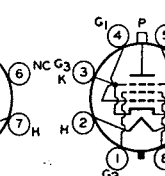
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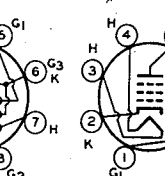
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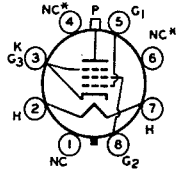
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6CB5-A



6CB6
6CB6-A

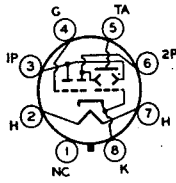
TYPE	Class	Use	E_t volts	I_t amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	Γ_p M Ω	g_m μ mhos	
6CD6GA	5	Horizontal Deflection Amplifier	6.3	2.5	Max. DC Screen Voltage = 175 volts Max. Peak Pulse Plate Voltage = 7000 volts Max. DC Cathode Current = 200 ma Max. Plate Dissip. = 20 w							
6CD7		Tuning Indicator	6.3	0.2	Section 1: E_{c1} for shadow angle of $180^\circ = -5$ volts Section 2: E_{c1} for shadow angle of $180^\circ = 0$ volts Target Voltage = 300 volts, Target Current = 2.0 ma							
6CE5	5	Class A Amplifier	6.3	0.3	125	125	-1.0	11.0	2.3	0.3	7600	
6CF6	5	Class A Amplifier	6.3	0.3	200	150	-6.5	9.5	2.8	0.6	6200	$R_k = 180 \Omega$
6CG6	5	RF Amplifier	6.3	0.3	250	150	-8.0	9.0	2.3	0.72	2000	
6CG7	3, 3	Horizontal Deflection Oscillator	6.3	0.6	Max. DC Plate Voltage = 330 volts Max. Peak Negative Pulse Grid Voltage = 660 volts				Max. DC Cathode Curr. = 20 ma Max. Plate Dissip. = 4 w			
		Vertical Deflection Oscillator			Max. DC Plate Voltage = 330 volts Max. Peak Neg. Grid Voltage = 440 volts				Max. DC Cathode Curr. = 20 ma Max. Plate Dissip. = 4 w			
6CG8	3, 5	Triode Oscillator	6.3	0.45	100	—	*	8.5	—	0.0069	5800	$R_k = 100 \Omega$, $\mu = 40$
6CG8A		Pentode Mixer			250	150	*	7.7	1.6	0.75	4600	$R_k = 200 \Omega$
6CH6	5	RF Amplifier	6.3	0.75	250	250	-4.5	40	6.0	0.05	11,000	
6CH7	3, 3	RF Amplifier	6.3	0.4	150	—	*	10	—	0.0053	6800	$R_k = 220 \Omega$, $\mu = 36$
6CH8	3, 5	Triode Amplifier	6.3	0.45	200	—	-6.0	13	—	0.0058	3300	$\mu = 19$
		Pent. Amplifier			200	150	*	9.5	2.8	0.3	6200	$R_k = 180 \Omega$
6CJ5	5	RF Amplifier	6.3	0.2	250	250	-2.5	6.0	1.7	1.1	2200	
6CJ6	5	Class A Amplifier	6.3	1.05	250	250	-38.5	32	2.4	0.015	4600	
6CK4	3	Vert. Defl. Amplifier	6.3	1.25	Max. PIV = 2000 volts Max. Plate Dissipation = 12 watts				Max. DC Cath. Current = 100 ma			
		Class A Amplifier			250	—	-28	40	—	0.0012	5500	$\mu = 6.6$
6CK5	5	Class A Amplifier	6.3	0.71	250	250	*	36	5.2	0.04	10,000	$R_k = 170 \Omega$
6CK6	5	Class A Amplifier	6.3	0.71	250	250	-5.5	36	5.0	0.13	10,000	
6CL5	5	Amplifier	6.3	2.5	175	175	-40	90	7.0	0.006	6500	
6CL6	5	Class A Amplifier	6.3	0.65	250	150	-3.0	30	7.0	0.15	11,000	$R_L = 7.5 K\Omega$, $W_o = 2.8$ watts
6CL8	3, 4	Triode Oscillator	6.3	0.45	125	—	0	15	—	0.005	8000	$\mu = 40$
		Tetrode Mixer			125	125	-1.0	12	4.0	0.1	5800	
6CL8A	3, 4	VHF Oscillator	6.3	0.45	125	—	-1.0	14	—	0.005	8000	$\mu = 40$
		VHF Amplifier			125	125	-1.0	12	4.0	0.2	6500	$\mu = 40$
6CM5	5	Horiz. Defl. Amplifier	6.3	1.25	Max. Peak Pos. Pulse Voltage = 7000 volts Max. DC Screen Voltage = 550 volts Max. DC Cathode Curr. = 200 ma Max. Plate Dissip. = 10 w Max. Screen Dissip. = 5 w							
		Class A Amplifier			100	100	-7.7	100	7.0	0.005	14,000	
6CM6	5	Class A Amplifier	6.3	0.45	180	180	-8.5	29	3.0	0.05	3700	
					250	250	-12.5	45	4.5	0.05	4100	
6CM7	3, 3	Vertical Deflection Oscillator	6.3	0.6	Unit 1 Max. DC Plate Voltage = 500 volts Max. Peak Neg. Pulse Grid Voltage = 200 volts				Max. Plate Dissip. = 1.25 w Max. DC Cathode Curr. = 15 ma			
		Vertical Deflection Amplifier			Unit 2 Max. DC Plate Voltage = 500 volts Max. Peak Positive Pulse Plate Voltage = 2200 volts				Max. Plate Dissip. = 5.5 w Max. Peak Neg. Pulse Grid Voltage = 200 volts Max. DC Cathode Curr. = 20 ma			
6CM8	3, 5	Triode Amplifier	6.3	0.45	250	-1	-2	1.8	—	0.05	2000	$\mu = 100$
		Pent. Amplifier			200	150	*	9.5	2.8	0.6	6200	$R_k = 180 \Omega$

*See quoted value of R_k

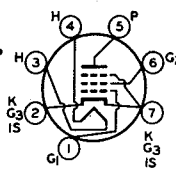


6CD6-G
6CD6-GA

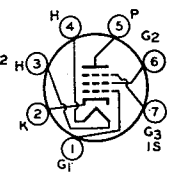
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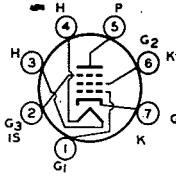
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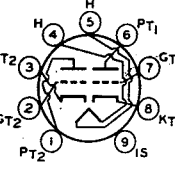
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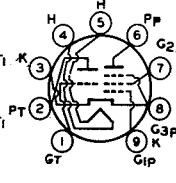
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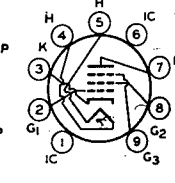
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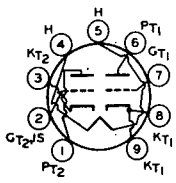
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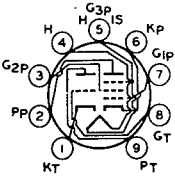
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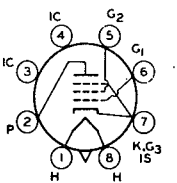
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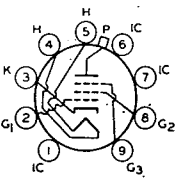
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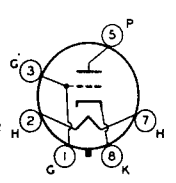
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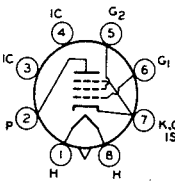
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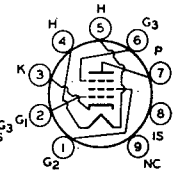
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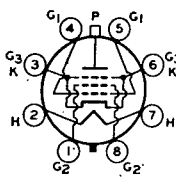
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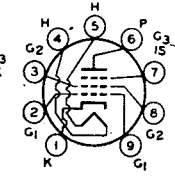
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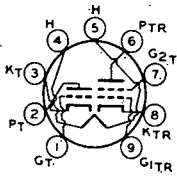
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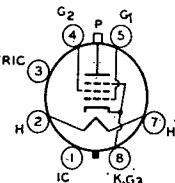
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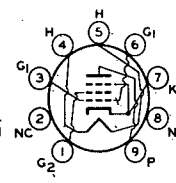
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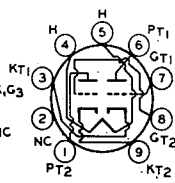
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6CL8-A



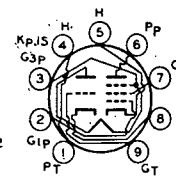
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6CM6



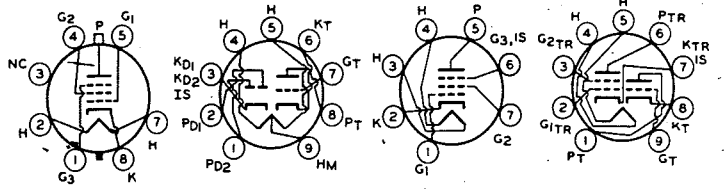
6CM7



6CM8

TYPE	Class	Use	E _t volts	I _t amps	E _b volts	E _{c2} volts	E _{c1} volts	I _b ma	I _{c2} ma	I _p MΩ	g _m μmhos		
6CN6	5	Horizontal Def. Amplifier	6.3	1.4	Max. Screen Supply = 400 volts Max. DC Cathode Curr. = 200 ma				Max. Screen Dissip. = 8 w Max. Peak Pos. Pulse Plate Voltage = 4000 volts Max Plate Dissip. = 25 w				
6CQ6	5	RF Amplifier	6.3	0.2	250	100	-0.5	4.9	1.25		2500		
6CQ8	3, 4	Tetr. Amplifier	6.3	0.45	125	125	-1.0	12	1.2	1.4	5800		
		Triode Amplifier			125		*	15	—	0.005	8000	R _k = 56 Ω	
6CR5	5	Horiz. Def. Amplifier	6.3	1.2	Max. Peak Pos. Plate Voltage = 5500 volts Max. DC Cathode Current = 112.5 ma Max. Plate Dissipation = 11 watts							Max. DC Screen Voltage = 200 volts	
		Class A Amplifier			250	150	-22.5	65.0	2.1	0.018	6000		
6CR6	2, 5	Det. AF Amplifier	6.3	0.3	250	100	-2.0	9.5	3.0	0.2	1950		
6CR8	3, 5	Triode Amplifier	6.3	0.45	125	—	-2.0	12	—	0.005	4000	μ = 22	
		Tetr. Amplifier			125	125	0	13	3.0	0.3	7700		
6CS5	5	Amplifier	6.3	1.2	110	110	-7.5	49	4.0	0.013	8000	R _L = 2.0 KΩ, W _o = 2.1 watts	
6CS6	7	Sync. Separator and Clipper	6.3	0.3	100	30	-1	0.75	1.1	1.0	1100	E _{c3} = 0	
6CS7	3, 3	Triode Oscillator	6.3	0.6	250	—	-8.5	10.5	—	0.0077	2200	μ = 17	
		Triode Amplifier			250	—	-10.5	19.0	—	0.0034	4500	μ = 15.5	
6CS8	3, 5	Triode Amplifier	6.3	0.45	125	—	-2.0	12	—	0.005	4000	μ = 22	
		Pent. Amplifier			125	125	*	13	3.0	0.3	7700	R _k = 56 Ω	
6CT7	2, 5	Det. Amplifier	6.3	0.2	250	85	-2.0	5.0	1.5	1.4	2000		
6CU5	5	Class A Amplifier	6.3	1.2	120	110	-8.0	49	4.0	0.01	7500	R _L = 2.5 KΩ, W _o = 2.3 watts	
6CU6	5	Horizontal Def. Amplifier	6.3	1.2	Max. DC Screen Voltage = 175 volts Max. Peak Pos. Pulse Plate Voltage = 6000 volts Max. Plate Dissip. = 11 watts				Max. Screen Dissip. = 2.5 w Max DC Cathode Curr. = 110 ma				
6CU7	3, 6	Triode Amplifier	6.3	0.23	100	—	0	10	—	—	2800	μ = 22	
		Hex. Converter			250	G ₂₊₄ 85	G ₁ -2	3.0	—	1.0	—	g _c = 750 μmhos, R _k = 180 Ω	
6CU8	3, 5	Triode Amplifier	6.3	0.45	200	—	-6.0	13	—	0.005	3300	μ = 19	
		Pent. Amplifier			200	150	*	9.5	2.8	0.3	6200	R _k = 180 Ω	
6CV7	2, 2, 3	Det. AF Amplifier	6.3	0.23	250	—	-3.0	1.0	—	0.058	1200	μ = 70	
6CW5	5	Class A Amplifier	6.3	0.76	170	170	-12.5	70	5.0	0.023	10,000		
6CX7	3, 3	Amplifier	6.3	0.4	150	—	*	9.0	—	—	6400	μ = 39, R _k = 220 Ω	
6CX8	3, 5	Pent. Amplifier	6.3	0.75	200	125	*	24	5.2	0.07	10,000	R _k = 68 Ω	
		Triode Amplifier			150	—	*	9.2	—	0.0087	4600	R _k = 150 Ω, μ = 40	
6CY5	4	Class A Amplifier	6.3	0.2	125	80	-1.0	10	1.5	0.1	8000		
6CY7	3, 3	Class A Amplifier	6.3	0.75	250	—	-3.0	1.2	—	0.052	1300	Unit 1	
					150	—	*	30	—	0.001	400	R _k = 620 Ω Unit 2	
6CZ5	5	Vert. Def. Amplifier	6.3	0.45	Max DC Screen Voltage = 285 volts Max. Plate Dissip. = 10 w Max. Peak Positive Pulse Plate Voltage = 2200 volts				Max. Peak Neg. Pulse Grid Voltage = 250 volts Max. DC Cath. Curr. = 40 ma				
6D4	3	Relay Tube	6.3	0.25	125	—	-12	—	—	—	Max. Peak Cathode Curr. = 100 ma		
					50	—	-6	—	—	Voltage Drop at 25 ma = 16 v			
6D6	5	Class A Amplifier	6.3	0.3	See 6U7G Characteristics								

*See quoted value of R_k

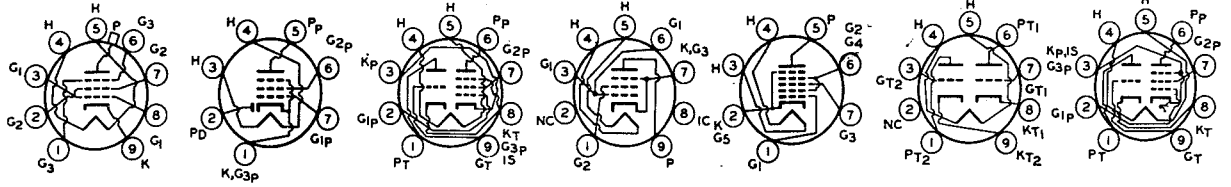


6CN6

6CN7

6CQ6

6CQ8



6CR5

6CR6

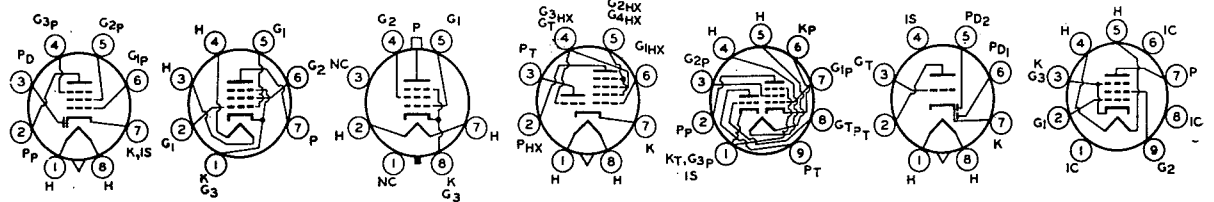
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6CS5

6CS6

6CS7

6CS8



6CT7

6CU5

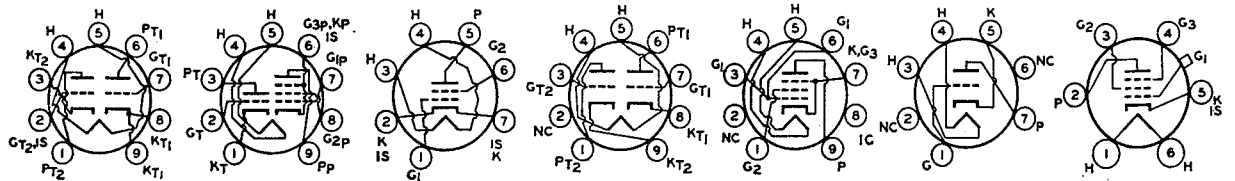
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6CU7

6CU8

6CV7

6CW5



6CX7

6CX8

6CY5

6CY7

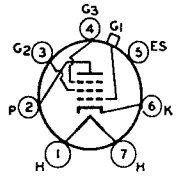
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6D4

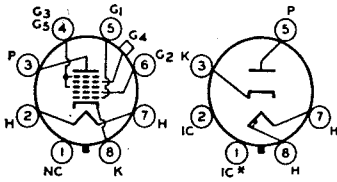
6D6

TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	Γ_p M Ω	g_m μ mhos	
6D7	5	Amplifier	6.3	0.3								See 6J7 Characteristics
6D8G	7	Converter	6.3	0.15	250	G_{3+5} 100	G_4 -3.0	3.5	G_{3+5} 2.6	0.4		$E_{c2} = 250$ volts, 4.3 ma $R_{g1} = 50$ K Ω $R_{g2} = 20$ K Ω $g_c = 550$ μ mhos $I_{c1} = 0.4$ ma
6DA4	2	TV Damper Diode	6.3	1.2								Max. PIV = 4400 volts Max. Peak Plate Current = 900 ma Max. DC Plate Current = 155 ma
6DA5		Tuning Indicator	6.3	0.3								Plate Supply Voltage = 250 volts Target Voltage = 250 volts Target Current = 2.0 ma E_{c1} for 65° shadow angle = -1 volt Plate Current = 0.37 ma
6DA6	5	Class A Amplifier	6.3	0.2	250	100	0	9	3	1.0	3600	
6DA7	3, 3	Triode Oscillator	6.3	1.0	250	—	-8.0	9.0	—	0.0077	2600	$\mu = 20$
		Triode Amplifier			150	—	-17.5	40	—	0.0011	5700	$\mu = 6.3$
6DB5	5	Class A Amplifier	6.3	1.2	110	110	-7.5	50	10	0.013	8000	
6DB6	5	Colour Demod.	6.3	0.3	150	150	-1.0	5.8	6.6	0.05	2050	$E_{c3} = -3$ v
6DC6	5	Class A Amplifier	6.3	0.3	200	150	*	9.0	3.0	0.5	5500	$R_k = 180$ Ω
6DC8	2, 2, 5	RF Amplifier	6.3	0.3	200	100	-1.5	11.0	3.3	0.6	4500	
6DE4	2	TV Damper Diode	6.3	1.6								Max. PIV = 5000 volts. Max. DC Plate Current = 175 ma Max. Peak Plate Current = 1100 ma
6DE6	5	Class A Amplifier	6.3	0.3	200	150	*	9.5	2.8	0.6	6200	$R_k = 180$ Ω
6DE7	3, 3	Unit 1 Vert. Defl. Oscillator	6.3	0.9	Max. DC Plate Voltage = 330 volts Peak Neg. Pulse Grid Voltage = 400 volts Max. DC Cathode Curr. = 22 ma Max. Plate Dissip. = 7 w							
		Unit 2 Vert. Defl. Amplifier			Max. Peak Positive Pulse Plate Voltage = 1500 volts Max. Peak Neg. Pulse Grid Voltage = 250 volts Max. DC Cathode Curr. = 50 ma Max. Plate Dissip. = 7 w							
6DG6GT	5	Class A Amplifier	6.3	1.2	110	110	-7.5	49	4.0	0.013	8000	$R_L = 2$ K Ω , $W_o = 2.1$ watts
					200	125	*	46	2.2	0.028	8000	$R_k = 180$ Ω , $R_k = 4$ K Ω , $W_o = 3.8$ w
6DG7	5	RF or IF Amplifier	6.3	0.3	100	100	*	10.8	4.4	0.25	4300	$R_k = 68$ Ω
					250	100	*	11.0	4.2	1.0	4400	$R_k = 68$ Ω
6DJ8	3, 3	VHF Amplifier	6.3	0.365	90	—	-1.3	15	—	0.0027	12,500	$\mu = 33$
6DK6	5	IF Amplifier	6.3	0.3	125	125	*	12.0	3.8	—	9800	$R_k = 56$
6DL7		Tuning Indicator	6.3	0.3								Plate Supply Voltage = 250 volts Plate Voltage = 100 volts Target Voltage = 250 volts Grid Voltage = 0 volts Target Current = 3.0 ma
6DN6	5	Power Amplifier	6.3	2.5	125	125	-18	70	6.3	0.004	9000	
6DN7	3, 3	Unit 1 Vert. Defl. Oscillator	6.3	0.9	Max. DC Plate Voltage = 350 volts Max. Plate Dissip. = 1 w Peak Neg. Pulse Grid Voltage = 400 volts							
		Unit 2 Vert. Defl. Amplifier			Peak Positive Pulse Plate Voltage = 2500 volts Max. Plate Dissip. = 10 w Max. DC Cathode Curr. = 50 ma							
6DQ5	5	Horizontal Deflection Amplifier	6.3	2.5								Max. DC Plate Voltage = 900 volts Max. Peak Pos. Pulse Plate Voltage = 7000 volts (Abs.) Max. DC Cathode Current = 285 ma Max. Plate Dissip. = 24 watts
6DQ6	5	Class A Amplifier	6.3	1.2	250	150	-22.5	75	2.4	0.02	6600	
		Horiz. Defl. Amplifier			Max. Peak Pos. Pulse Voltage = 6000 volts Max. Plate Dissip. = 15 watts Max. DC Cath. Curr. = 120 ma Max. DC Screen Voltage = 200 volts							
6DQ6A	5	Horiz. Defl. Amplifier	6.3	1.2								Max. DC Plate Voltage = 700 volts Max. DC Cathode Curr. = 140 ma Max. Peak Positive Pulse Plate Voltage = 6000 volts Max. Plate Dissipation = 15 w

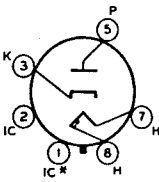
*See quoted value of R_k



6D7

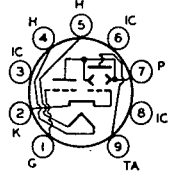


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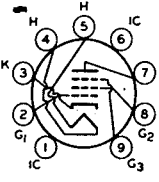


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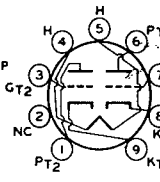
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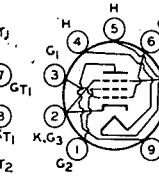
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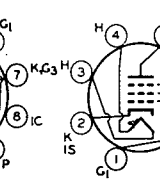
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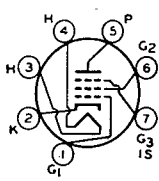
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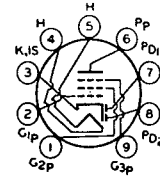
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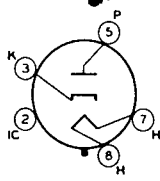
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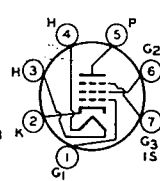
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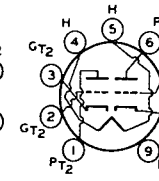
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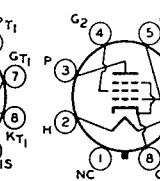
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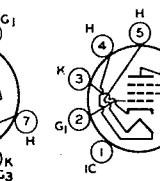
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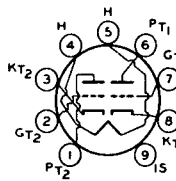
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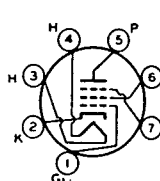
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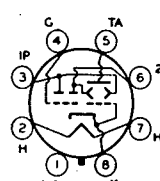
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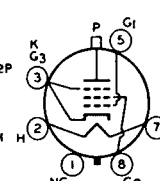
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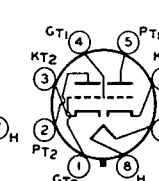
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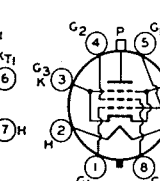
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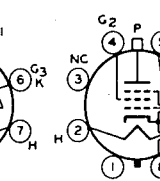
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6DN7



6DQ5

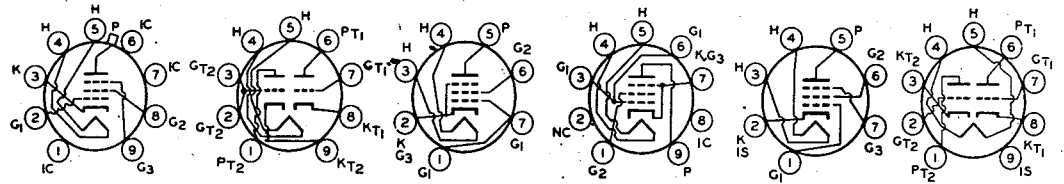


6DQ6
6DQ6-A

TYPE	Class	Use	E_r volts	I_r amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
6DR6	5	Class A Amplifier			See 6CJ6 Characteristics							
6DR7	3, 3	Vert. Def. Oscillator	6-3	0-9	250	—	-3	1-4	—	0-04	1600	$\mu = 68$
		Vert. Def. Amplifier			150	—	-17-5	35	—	925 Ω	6500	$\mu = 6$
6DS5	5	Class A Amplifier	6-3	0-8	200	200	-7-5	35	3-0	0-028	6000	$R_L = 6 K\Omega$, $W_o = 3$ watts
					250	200	-8-5	29	3-0	0-028	5800	$R_L = 8 K\Omega$, $W_o = 3-8$ watts
6DT5	5	Vert. Def. Amplifier	6-3	1-2	Max. Peak Pos. Plate Voltage = 2200 volts Max. Screen Dissip. = 2 w Max. DC Cathode Current = 55 ma Max. Plate Dissip. = 9 w							
		Class A Amplifier			250	250	-16-5	44	1-5	—	6200	
6DT6	5	Class A Amplifier	6-3	0-3	150	100	*	1-1	2-1	0-15	515	$R_k = 560 \Omega$
		FM Detector			250	100	*	0-22	5-5	$E_{c3} = -6$ volts		$R_k = 560 \Omega$ $R_L = 0-27 M\Omega$
6DT8	3, 3	Class A Amplifier	6-3	0-3	100	—	*	3-7	—	0-015	4000	$\mu = 60$ $R_k = 270 \Omega$
					250	—	*	10-0	—	0-01	4500	$\mu = 60$ $R_k = 200 \Omega$
6DW5	5	Vert. Def. Amplifier	6-3	1-2	Max. Peak Pos. Pulse Plate Voltage = 2200 volts Max. Screen Dissip. = 2-5 w Max. DC Cathode Current = 65 ma Max. Plate Dissip. = 11 watts							
		Class A Amplifier			200	150	-22-5	55-0	2-0	0-015	5500	
6DY7	5, 5	Class A Amplifier	6-3	1-2	250	250	-12-5	50	3-0	0-028	6000	
		P.P. Amplifier†			400	250	-20	58	1-7	—	—	$R_L = 14 K\Omega$, $W_o = 20$ watts
6DZ8	3, 5	Triode Amplifier	6-3	0-9	120	—	*	0-8	—	0-071	1400	$\mu = 100$ $R_k = 1500 \Omega$
		Pent. Amplifier			145	120	*	45	6	0-0025	7500	$R_L = 2-5 K\Omega$, $W_o = 2-0$ w, $R_k = 180\Omega$
6E5		Tuning Indicator	6-3	0-3	100	E_{c1} for 0° shadow angle = -7-5 volts E_{c1} for 90° shadow angle = 0 volts Target Voltage = 250 volts Target Current = 2-0 ma						250
6E6	3, 3	P.P. Class A Amplifier	6-3	0-6	180	—	-20-5	11-5	—	0-0043	1400	$R_L = 15 K\Omega$, $W_o = 0-75$ watts
					250	—	-27-5	18-0	—	0-0035	1700	$R_L = 14 K\Omega$, $W_o = 1-6$ watts
6E7	5	Class A Amplifier	6-3	0-3	See 6U7G Characteristics							
6EA5	4	Class A Amplifier	6-3	0-2	250	140	-1-0	10	0-95	0-15	8000	
6EA8	3, 5	Triode Amplifier	6-3	0-45	150	—	*	18	—	0-005	8500	$\mu = 40$ $R_k = 56 \Omega$
		Pent. Amplifier			125	125	-1-0	12	4	0-08	6400	
6EB8	3, 5	Triode Amplifier	6-3	0-75	250	—	-2-0	2-0	—	0-037	2700	$\mu = 100$
		Pent. Amplifier			200	125	*	25	7-0	0-075	12,500	$R_k = 68 \Omega$
6EF6	5	Vertical Deflection Amplifier	6-3	0-9	Max. Peak Pos.-Pulse Plate Voltage = 2000 volts Max. DC Cathode Current = 60 ma Max. Plate Dissip. = 10 w Max. Screen Dissip. = 2 w							
6EH5	5	Class A Amplifier	6-3	1-2	110	115	*	42	11-5	0-011	14,600	$R_L = 3-0 K\Omega$, $R_k = 62 \Omega$, $W_o = 1-4$ watts
6EH8	3, 5	Triode Amplifier	6-3	-45	125	—	-1-0	13-5	—	—	7500	$\mu = 40$
		Pent. Amplifier			125	125	-1-0	12-0	4-0	0-17	6000	

*See quoted value of R_k

†Class AB



6DR6

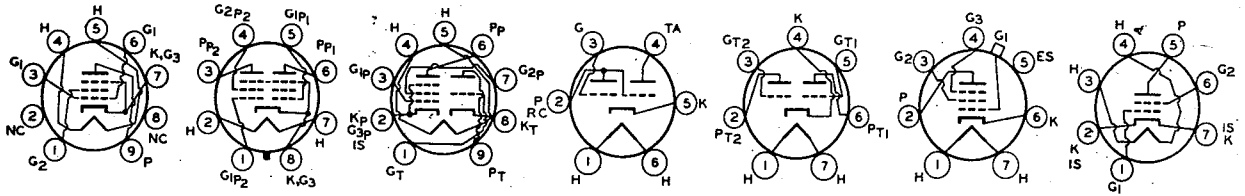
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6DS5

6DT5

6DT6

6DT8



6DW5

6DY7

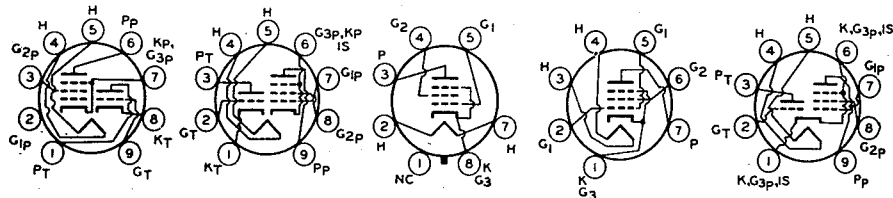
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6E5

6E6

6E7

6EA5



6EA8

6EB8

6EF6

6EH5

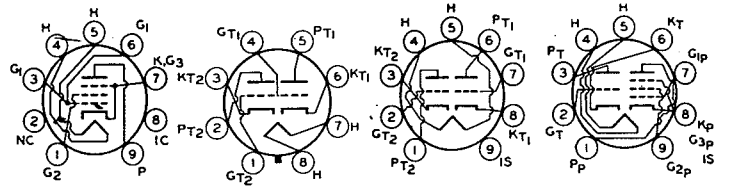
6EH8

TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
6EM5	5	Vert. Defl. Amplifier	6.3	0.8	Max. Peak Pos.-Plate Voltage = 2200 volts Max. DC Cathode Current = 60 ma Max. Plate Dissip. = 10w Max. DC Screen Voltage = 285 volts							
6EM7	3, 3	Triode Oscillator	6.3	0.9	250	—	-3	1.4	—	0.04	1600	
		Triode Amplifier			150	—	-20	50	—	750 Ω	7200	
6ES8	3, 3	Class A Amplifier	6.3	0.365	90	—	-1.2	15	—	—	12,500	
6EU8	3, 5	Triode Oscillator	6.3	0.45	150	—	*	18	—	0.005	8500	$R_k = 56 \Omega, \mu = 40$
		Pent. Mixer			125	125	-1	12	4.0	0.08	—	$g_c = 6400 \mu$ mhos
6EV7	3, 3	Class A Amplifier	6.3	0.3	250	—	-2	9.2	—	11,500	5200	$\mu = 60$
6EW6	5	Class A Amplifier	6.3	0.4	125	125	*	11	3.2	0.2	14,000	$R_k = 56 \Omega$
6F4	3	Class A Amplifier	6.3	0.225	80	—	*	13.0	—	0.029	5800	$\mu = 17, R_k = 150 \Omega$
6F5 6F5G 6F5GT	3	Class A Amplifier	6.3	0.3	100	-1.0	—	0.4	—	0.085	1150	$\mu = 100$
					250	-2.0	—	0.9	—	0.066	1500	$\mu = 100$
6F6 6F6G	5	Class A Amplifier	6.3	0.7	250	250	-16.5	34.0	6.5	0.08	2500	$R_L = 7.0 K\Omega,$ $W_o = 3.2$ watts
					285	285	-20.0	38.0	7.0	0.078	2550	$R_L = 7.0 K\Omega,$ $W_o = 4.8$ watts
6F6GT		P.P. Class A Amp.			315	285	-24.0	62.0	12.0	—	—	$R_L = 10 K\Omega \nabla,$ $W_o = 11$ watts ∇
		P.P. Amplifier†			375	250	-26.0	34.0	5.0	—	—	$R_L = 10 K\Omega \nabla,$ $W_o = 18.5$ watts ∇
6F7	3, 5	Triode Amplifier	6.3	0.3	100	—	-3.0	3.5	—	0.016	500	$\mu = 8$
		Pent. Amplifier			250	100	-3.0	6.5	1.5	0.85	1100	
6F8G	3, 3	Class A Amplifier	6.3	0.6	See 6J5 Characteristics							
6FH5	3	Class A Amplifier	6.3	0.2	135	—	-1	11	—	0.005	9000	$\mu = 50$
6FH6	5	Horiz. Defl. Amplifier	6.3	1.2	250	150	-22.5	75	1.7	0.012	6000	
6FV6	4	Class A Amplifier	6.3	0.2	125	80	-1.0	10	1.5	0.1	8000	
6G5		Tuning Indicator	6.3	0.3	See 6U5/6G5 Characteristics							
6G6G 6G6GT	5	Class A Amplifier	6.3	0.15	180	180	-9.0	15.0	2.5	0.175	2300	$R_L = 10 K\Omega,$ $W_o = 1.1$ watts
					250	125	-3.0	9.5	2.2	0.5	1210	
6G8G	2, 2, 5	RF Amplifier	6.3	0.3	250	125	-3.0	9.5	2.2	0.5	1210	
6GM6	5	Class A Amplifier	6.3	0.4	125	125	*	14	3.4	0.2	13,000	$R_k = 56 \Omega$
6H6 6H6G 6H6GT	2R, 2R	Full-Wave Rectifier	6.3	0.3	Max. PIV = 420 volts Max. DC Output Current/Plate = 8 ma Max. Peak Plate Current/Plate = 48 ma							
					100	100	-2.0	5.5	1.9	0.4	2000	$\mu = 800$
6H8G	2, 2, 5	Class A Amplifier	6.3	0.3	250	125	-2.0	8.5	2.6	0.65	2400	$\mu = 1550$
					100	100	-2.0	5.5	1.9	0.4	2000	$\mu = 800$
6J4	3	Class A Amplifier	6.3	0.4	150	—	*	15.0	—	0.005	1200	$\mu = 55, R_k = 100 \Omega$
6J5 6J5GT	3	Class A Amplifier	6.3	0.3	250	—	-8.0	9.0	—	0.0077	2600	$\mu = 20$
6J6 6J6A	3, 3	Class A Amplifier	6.3	0.45	100	—	*	8.5	—	0.007	5300	$\mu = 38$ $R_k = 50 \Omega$
					250	100	-3.0	2.0	0.5	1.0	1225	
6J7 6J7G 6J7GT	5	Class A Amplifier	6.3	0.3	100	100	-3.0	2.0	0.5	1.0	1185	
					250	100	-3.0	2.0	0.5	1.0	1185	

*See quoted value of R_k

▼Two valves

†Class AB.

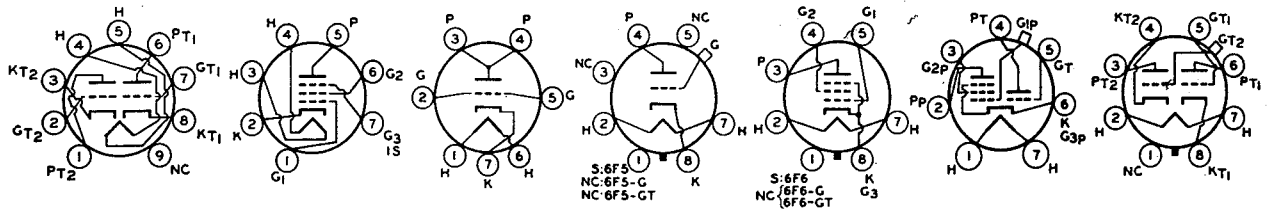


6EM5

6EM7

6ES8

6EU8



6EV7

6EW6

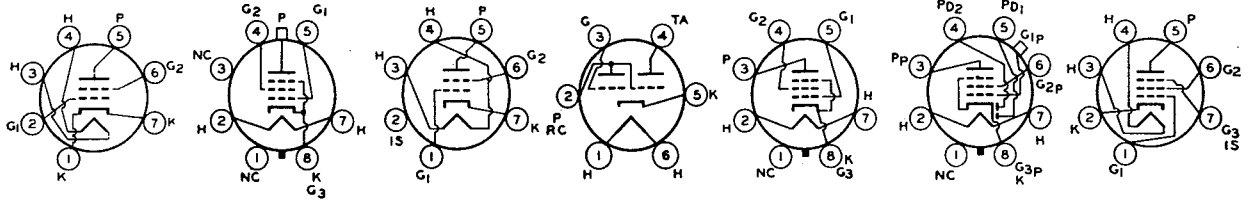
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6F5
6F5-G
6F5-GT

6F6
6F6-G
6F6-GT

6F7

6F8-G



6FH5

6FH6

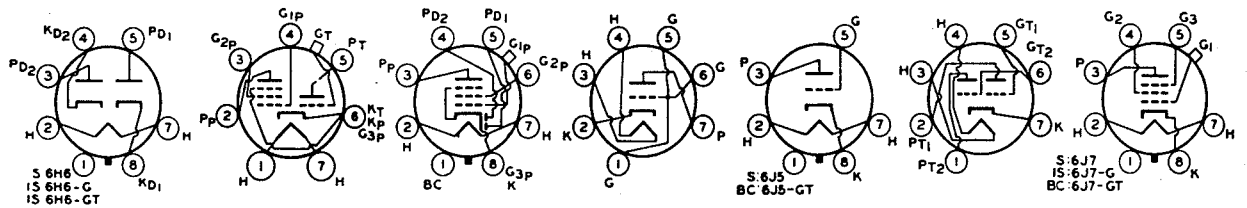
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6G5

6G6-G
6G6-GT

6G8-G

6GM6



6H6
6H6-G
6H6-GT

6H7-S

6H8-G

6J4

6J5
6J5-GT

6J6
6J6-A

6J7
6J7-G
6J7-GT

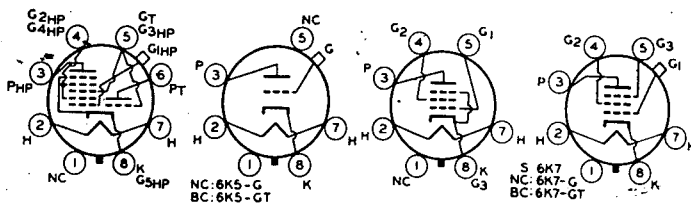
TYPE	Class	Use	E_r volts	I_r amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	I_p MΩ	g_m μmhos	
6J8G	3, 6	Converter	6.3	0.3	250	G_{2+4} 100	G_1 -3.0	1.3	G_{2+4} 2.9	4.0	$I_{c1} = 0.4$ ma $R_{g1} 50$ KΩ, $g_c = 290$ μmhos	
6J8GA	3, 6	Converter	6.3	0.45	See 6J8G (characteristics)							
6K5G	3	Class A Amplifier	6.3	0.3	100	-	-1.5	0.35	-	0.078	900	$\mu = 70$
6K5GT					250	-	-3.0	1.1	-	0.05	1400	$\mu = 70$
6K6G	5	Class A Amplifier	6.3	0.4	315	250	-21.0	25.5	4.0	0.11	2100	$R_L = 9.0$ KΩ, $W_o = 4.5$ watts
6K6GT					250	250	-18.0	32	5.5	0.09	2300	$R_L = 7.6$ KΩ, $W_o = 3.4$ watts
6K7	5	Class A Amplifier	6.3	0.3	100	100	-1.0	9.5	2.7	0.15	1650	
6K7G					250	125	-3.0	10.5	2.6	0.6	1650	
6K8	3, 6	Converter	6.3	0.3	250	G_{2+4} 100	G_3 -3.0	2.5	G_{2+4} 6.0	0.6	$I_{c1} = 0.15$ ma $R_{g1} = 50$ KΩ, $g_c = 350$ μmhos	
6K8G												
6K8GT												
6L4	3	Class A Amplifier	6.3	0.225	80	-	*	9.5	-	0.0044	6400	$\mu = 28$, $R_k = 150$ Ω
6L5G	3	Class A Amplifier	6.3	0.15	135	-	-5.0	3.5	-	0.0113	1500	$\mu = 17$
					250	-	-9.0	8.0	-	0.009	1900	$\mu = 17$
6L6	5	Class A Amplifier	6.3	0.9	250	250	-14.0	72.0	5.0			$R_L = 2.5$ KΩ, $W_o = 6.5$ watts
					250	250	*	75.0	5.4		$R_L = 2.5$ KΩ, $W_o = 6.5$ w., $R_k = 170$ Ω	
		Push Pull Class AB ₁ Amplifier			270	270	-17.5	134	11.0		$R_L = 5.0$ KΩ, $W_o = 17.5$ watts	
					270	270	*	134	11.0		$R_L = 5.0$ KΩ, $W_o = 18.5$ watts $R_k = 125$ Ω	
6L6GC	5	P.P. Class AB ₁ Amplifier	6.3	0.9	360	270	-22.5	88	5			$R_L(p-p) = 6.6$ KΩ, $W_o = 26.5$ watts
					450	400	-37	116	5.6		$R_L(p-p) = 5.6$ KΩ, $W_o = 55$ watts	
6L7	7	Converter	6.3	0.3	250	G_{2+4} 100	G_1 -3.0	2.4	7.1	1.0	$E_{c3} = -10$ v, $g_c = 375$ μmhos	
6L7G		Class A Amplifier			250	100	-3.0	5.3	6.5	0.6	1100	
6M3	2	Damper Diode	6.3	3.0	Max. PIV = 6000 volts Max. Peak Plate Current = 1.1 amp. Max. DC Output Current = 320 ma Max. Plate Dissip. = 8 w							
6M5	5	Class A Amplifier	6.3	0.71	250	250	*	36.0	5.2	0.04	10,000	$R_L = 7.0$ KΩ, $R_k = 170$ Ω $W_o = 3.9$ w.
6M6	5	Power Amplifier	6.3	1.2	250	250	-6.0	36.0	4.0	0.05	9500	$\mu = 475$ $R_L = 7.0$ KΩ, $W_o = 4.4$ w
6M6G					100	100	-2.5	6.2	1.8	0.35	2500	$\mu = 875$
6M7G	5	Remote Cutoff RF Pentode	6.3	0.9	250	100	-2.5	6.5	1.7	1.5	2800	$\mu = 4200$
					100	-	-1.0	0.5	-	0.09	1100	$\mu = 100$
6M8GT	3, 3, 5	Triode Amplifier	6.3	0.6	100	100	-3.0	8.5	2.7	0.2	1900	
		Pent. Amplifier										
6N3	2R, 2R	Full-wave Rectifier	6.3	0.9	Max. PIV = 850 volts Max. DC Output Current = 360 ma Max. Peak Plate Current/Plate = 1100 ma							
6N4	3	Class A Amplifier	6.3	0.2	180	-	-3.5	12	-	-	6000	$\mu = 32$
6N5		Tuning Indicator	6.3	0.15	Target Voltage = 135 volts E_{c1} for 0° shadow angle = -10 volts Target Current = 2.0 ma							
6N6	3, 3	Class A Amplifier	6.3	0.8	300	-	†	9	-	-	-	Input Unit
6N6G					300	-	†	42	-	0.024	2400	Output Unit $R_L = 7$ KΩ

*See quoted value of R_k

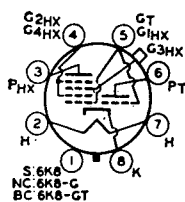
▼Two valves

†Developed internally

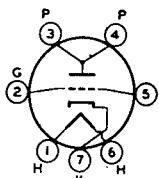
‡Input to output



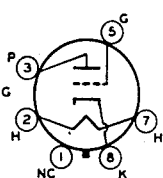
6J8-G 6K5-G
6K5-GT 6K6-G
6K6-GT 6K7
6K7-G
6K7-GT



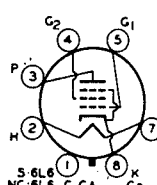
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6K8-G
6K8-GT



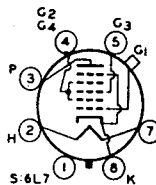
6L4



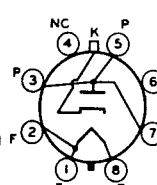
6L5-G



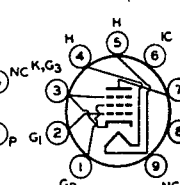
6L6-G
6L6-GA
6L6-GB, -GC



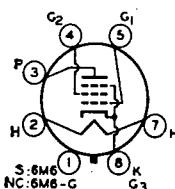
6L7
6L7-G



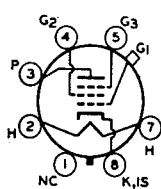
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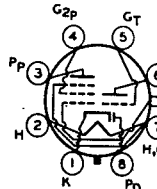
6M5



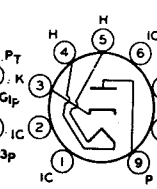
6M6
6M6-G



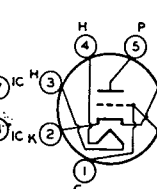
6M7-G



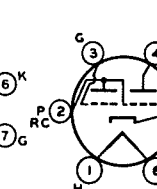
6M8-GT



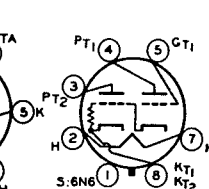
6N3



6N4

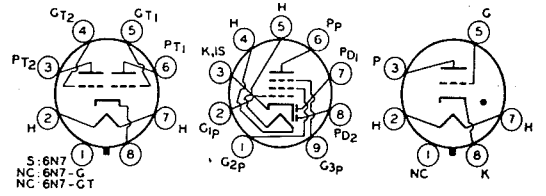


6N5



6N6
6N6-G

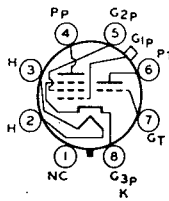
TYPE	Class	Use	E_r volts	I_r amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
6N7	3, 3	Class A Amplifier Driver	6.3	0.8	250	—	-5.0	6.0	—	0.12	3100	$\mu = 35$
6N7G					294	—	-6.0	7.0	—	0.011	3200	
6N7GT		Class B Amplifier			300	—	0	35	—	—	—	—
6N8	2, 2, 5	RF Amplifier	6.3	0.3	250	8.5	-2.0	5.0	1.75	1.6	2200	
6P5G	3	Class A Amplifier	6.3	0.3	250	—	-13.5	5.0	—	0.01	1450	
6P5GT					100	—	-5.0	2.5	—	0.012	1150	
6P7G	3, 5	Triode Amplifier	6.3	0.3	100	—	-3.0	3.5	—	0.016	500	$\mu = 8$
					250	100	-3.0	6.5	0.6	2.0	1100	
6P8G	3, 6	Hexode Conv.	6.3	0.8	250	80	-2.0	1.5	1.4	0.75	$g_c = 650 \mu$ mhos	
		Triode Amplifier			100	—	-2.0	2.2	—	—	$R_{g1} = 50 K\Omega$	
6Q4	3	RF Amplifier	6.3	0.48	250	—	-1.5	15	—	—	12,000	$\mu = 80$
6Q5G	3	Thyratron	6.3	0.6	Max. Inst. Plate Voltage = 300 volts Max. Average Anode Current = 1 ma Max. Peak Anode Current = 300 ma							$R_{g1} = 10 K\Omega$ min.
6Q7 6Q7G 6Q7GT	2, 2, 3	Triode Class A Amp.	6.3	0.3	100	—	-1.0	0.8	—	-0.58	1200	$\mu = 70$
					250	—	-3.0	1.0	—	-0.58	1200	$\mu = 70$
6R3	2R	Half-wave Rectifier	6.3	0.81	Max. PIV = 5600 volts (Abs.) Max. Peak Plate Current = 450 ma Max. DC Output Current = 150 ma							
6R4	3	Oscillator	6.3	0.2	150	—	-2.0	30	—	—	5500	$\mu = 16$
6S4 6S4A	3	Vertical Deflection Amplifier	6.3	0.6	Max. DC Plate Voltage = 500 volts Max. DC Cathode Current = 30 ma Max. Peak Pos. Pulse Plate Voltage = 2000 volts Max. Plate Dissipation = 7.5 2							
6S5		Tuning Indicator	6.3	0.3	Target Voltage = 250 volts, 2 ma Vane Grid Voltage = 135 volts Control Grid Voltage for Shadow of 60° = 0 volts Control Grid Voltage for Shadow of 360° = -8 volts							
6S7 6S7G	5	Class A Amplifier	6.3	0.15	135	67.5	-3.0	3.7	0.9	1.0	1250	
					250	100	-3.0	8.5	2.0	1.0	1750	
6S8GT	2, 2, 2, 3	Triode Amplifier	6.3	0.3	100	—	-1.0	0.4	—	0.11	900	$\mu = 200$
					250	—	-2.0	0.9	—	0.09	1100	$\mu = 10$
6SA7 6SA7GT	7	Converter	6.3	0.3	250	G_{2+4} 100	0	3.5	G_{2+4} 8.5	1.0	g_c 450	$R_{g1} = 20 K\Omega$ $I_{c1} = 0.5$ ma
6SB7Y	7	Converter	6.3	0.3	250	G_{2+4} 100	G_3 -1.0	3.8	G_{2+4} 10.0	1.0	g_c 950	$R_{g1} = 20 K\Omega$ $I_{c1} = 0.35$ ma
6SC7 6SC7GT	3, 3	Class A Amplifier	6.3	0.3	250	—	-2.0	2.0	—	0.05	1325	$\mu = 70$
6SD7GT	5	RF Amplifier	6.3	0.3	100	100	-2.0	5.7	2.0	0.25	3350	
					250	100	-2.0	6.0	1.9	1.0	3600	
6SE7GT	5	RF Amplifier	6.3	0.3	250	100	-1.5	4.5	1.5	1.0	3400	
6SF5 6SF5GT	3	Class A Amplifier	6.3	0.3	100	—	-1.0	0.4	—	-0.85	1150	$\mu = 100$
					250	—	-2.0	0.9	—	-0.66	1500	$\mu = 100$
6SF7	2, 5	Pent. Class A Amplifier	6.3	0.3	100	100	-1.0	12.0	3.4	0.2	1975	
					250	100	-1.0	12.4	3.3	0.7	2050	



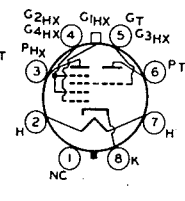
6N7
6N7-G
6N7-GT

6N8

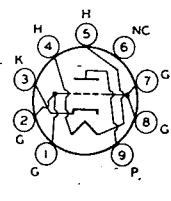
6P5-G
6P5-GT



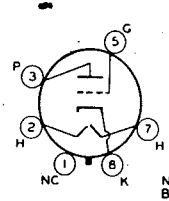
6P7-G



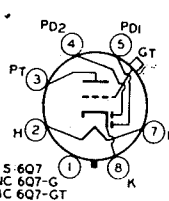
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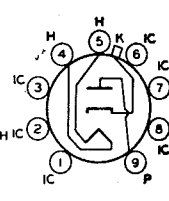
6Q4



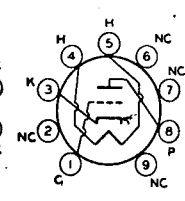
6Q5-G



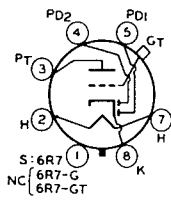
6Q7
6Q7-G
6Q7-GT



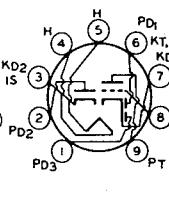
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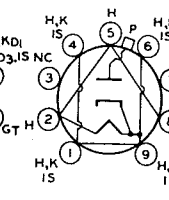
6R4



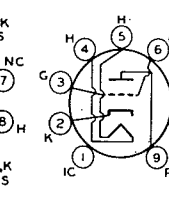
6R7
6R7-G
6R7-GT



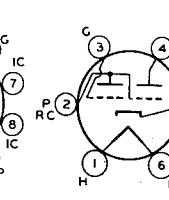
6R8



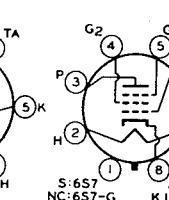
6S2
6S2-A



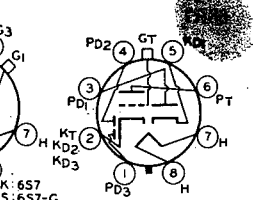
6S4
6S4-A



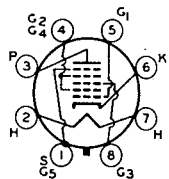
6S5



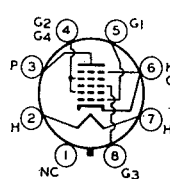
6S7
6S7-G



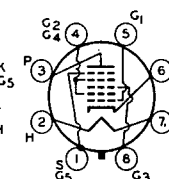
6S8-GT



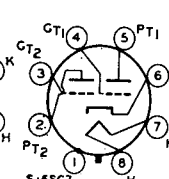
6SA7



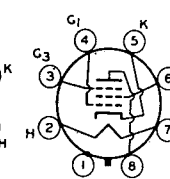
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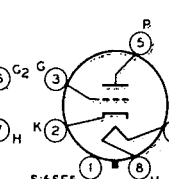
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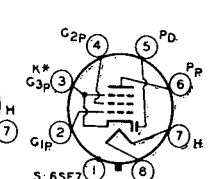
6SC7
6SC7-GT



6SD7-GT
6SE7-GT



6SF5
6SF5-GT

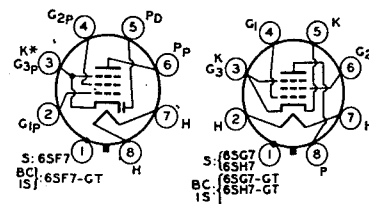


6SF7
6SF7-GT

*6SF7-GT has an Internal Shield

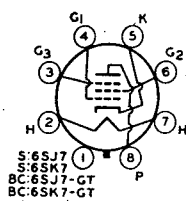
TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
6SF7	2, 5	Class A Amplifier	6.3	0.3	100 250	100	-1.0 -1.0	12.0 12.4	3.4 3.3	0.2 0.7	1975 2050	
6SG7 6SG7GT	5	Class A Amplifier	6.3	0.3	100 250	100 150	-1.0 -2.5	8.2 9.2	3.2 3.4	0.25 1.0+	4100 4000	
6SH7 6SH7GT	5	Class A Amplifier	6.3	0.3	100 250	100 150	-1.0 -1.0	5.3 10.8	2.1 4.1	0.35 0.9	4000 4900	
6SJ7 6SJ7GT	5	Class A Amplifier	6.3	0.3	100 250	100	-3.0 -3.0	2.9 3.0	0.9 0.8	0.7 1.0	1575 1650	
6SK7 6SK7GT	5	Class A Amplifier	6.3	0.3	100 250	100	-1.0 -3.0	13.0 9.2	4.0 2.6	0.12 0.8	2350 2000	
6SL7GT	3, 3	Class A Amplifier	6.3	0.3	250	—	-2.0	2.3	—	0.044	1600	$\mu = 70$
6SN7GT 6SN7GTA 6SN7GTB	3, 3	Class A Amplifier Vertical Deflection Amplifier	6.3	0.6	9C 250	—	0 -8.0	10.0 9.0	—	0.0067 0.0077	3000 2600	$\mu = 20$
					Max. DC Plate Voltage = 450 volts Max. Peak Pos. Pulse Plate Voltage = 1500 volts Max. DC Cathode Current = 20 ma Max. Plate Dissip. = 5 watts/plate							
6SQ7 6SQ7GT	2, 2, 3	Class A Amplifier	6.3	0.3	100 250	—	-1.0 -2.0	0.4 0.9	—	0.11 0.09	900 1100	$\mu = 100$ $\mu = 100$
6SR7 6SR7GT	2, 2, 3	Class A Amplifier	6.3	0.3	250	—	-9.0	9.5	—	0.0085	1900	$R_L = 10\text{ K}\Omega$, $W_o = 0.3\text{ watts}$
6SS7 6SS7GT	5	Class A Amplifier	6.3	0.15	100 250	100	-1.0 -3.0	12.2 9.0	3.1 2.0	0.12 1.0	1930 1850	
6ST7	2, 2, 3	Triode Amplifier	6.3	0.15	See 6SR7 Characteristics							
6SU7GT	3, 3	Class A Amplifier	6.3	0.3	250	—	-2.0	2.3	—	0.044	1600	$\mu = 70$
6SV7	2, 5	Class A Amplifier	6.3	0.3	250	150	-1.0	7.5	2.8	1.5	3600	
6SZ7	2, 2, 3	Triode Amplifier	6.3	0.15	100 250	—	-1.0 -3.0	0.8 1.0	—	0.061 0.058	1150 1200	$\mu = 70$ $\mu = 70$
6T4	3	UHF Oscillator Class A Amplifier	6.3	0.225	Max. DC Plate Voltage = 200 volts Max. Grid Current = 8 ma Max. DC Cathode Current = 30 ma Max. Plate Dissip. = 3.5 w							
					80	—	*	18	—	—	7000	$R_k = 150\ \Omega$, $\mu = 13$
6T7G	2, 2, 3	Triode Amplifier	6.3	0.15	135 250	—	-1.5 -3.0	0.9 1.2	—	.065 .062	1090 1050	$\mu = 65$ $\mu = 65$
6T8 6T8A	2, 2, 2, 3	Triode Amplifier	6.3	0.45	100 250	—	-1.0 -3.0	0.8 1.0	—	.054 .058	1300 1200	$\mu = 70$ $\mu = 70$
6U3	2	Damper Diode	6.3	1.2	Max. PIV = 4000 volts AC volts/plate = 350 volts Max. Peak Plate Current = 400 ma Max. DC Output Current = 180 ma							
6U4GT	2R	Half-wave Rectifier	6.3	1.2	Max. PIV = 3850 volts Max. DC Output Curr. = 138 ma Max. Peak Plate Current = 660 ma							
6U5 6U5J 6U5/GG5		Tuning Indicator	6.3	0.3	Target Voltage = 250 volts Target Current = 4.0 ma Grid Bias = -22 volts for 0° Shadow Angle							

*See quoted value of R_k

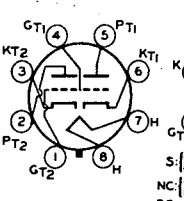


6SF7
6SF7-GT
 *6SF7-GT has an Internal Shield

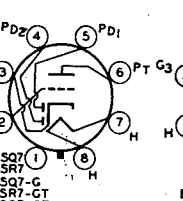
6SG7, -GT
6SH7, -GT



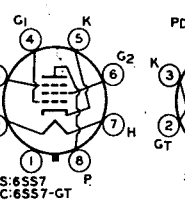
6SJ7, -GT
6SK7, -GT



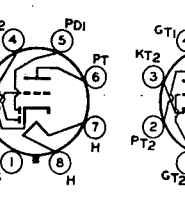
6SL7-GT
6SN7-GT, GTA
6SN7-GTB



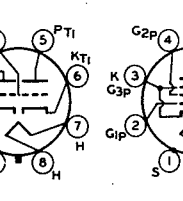
6SQ7, -G
6SQ7-GT
6SR7, -GT



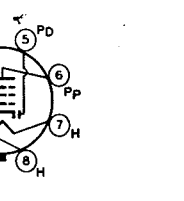
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6SS7-GT



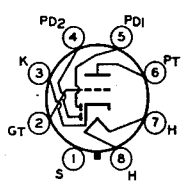
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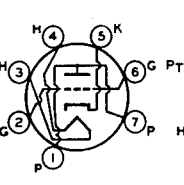
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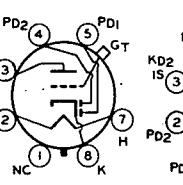
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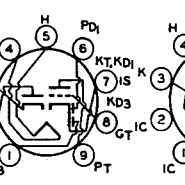
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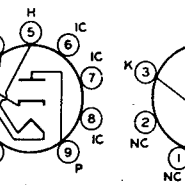
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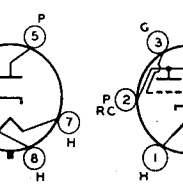
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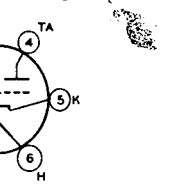
6T8
6T8-A



6U3



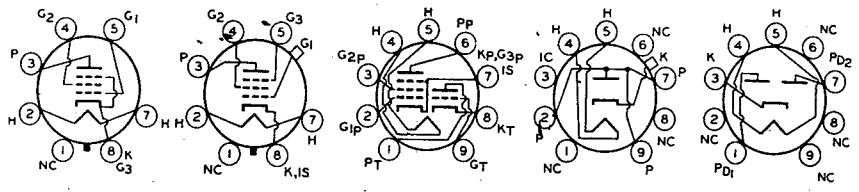
6U4-GT



6U5
6U5/6G5

TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos			
6U6GT	5	Power Amplifier	6.3	0.75	200	135	-14	55	3.0	0.02	6200	$R_L = 3.0 K\Omega$, $W_o = 5.5$ watts		
6U7G	5	Class A Amplifier	6.3	0.3	250	100	-3.0	8.2	2.0	0.8	1600			
6U8	3, 5	Triode Amplifier	6.3	0.45	150	—	*	18	—	0.005	8500	$R_k = 56 \Omega$, $\mu = 40$		
6U8A		Pentode Amplifier			250	110	*	10	3.5	0.4	5200	$R_k = 68 \Omega$		
6V3 6V3A	2R	Damper Diode	6.3	1.75	Max. PIV = 6000 volts (Abs.) Max. Peak Plate Current = 800 ma Max. DC Plate Current = 135 ma						Max. Plate Dissip. = 2.7 w			
6V4	2R, 2R	Full-wave Rectifier	6.3	0.6	Max. AC Volts/Plate = 350 volts (Abs.) DC Output Current = 90 ma						Max. PIV = 980 volts			
6V5GT	5	Power Amp.	6.3	0.45	315	225	-13	35	6.0	0.077	3750	$R_L = 8.5 K\Omega$, $W_o = 5.5$ watts		
6V6 6V6GT 6V6GTA 6V6GTY	5	Power Amplifier	6.3	0.45	180	180	-8.5	29	3.0	0.05	3700	$R_L = 5.5 K\Omega$, $W_o = 2.0$ watts		
					250	250	-12.5	45	4.5	0.05	4100	$R_L = 5.0 K\Omega$, $W_o = 4.5$ watts		
					315	13.0	225	34	2.2	0.08	3750	$R_L = 8.5 K\Omega$, $W_o = 5.5$ watts		
6V7G	2, 2, 3	Triode Amplifier	6.3	0.3	See Type 85 Characteristics									
6V8	2, 2, 2, 3	Det. Amplifier	6.3	0.45	100	—	-1.0	0.8	—	0.054	1300	$\mu = 70$		
					250	—	-3.0	1.0	—	0.058	1200	$\mu = 70$		
6W4GT	2R	Half-wave Rectifier	6.3	1.2	Max. DC Output Current = 125 ma Max. PIV = 1250 volts								Max. Peak Plate Current = 600 ma	
6W6GT	5	Vertical Deflection Amplifier	6.3	1.2	Max. DC Cathode Current = 40 ma Max. Plate Dissipation = 7.5 w.								Max. Peak Pos.-Pulse Plate Voltage = 1200 volts Max. Peak Neg.-Pulse Grid Voltage = 250 volts	
6W7G	5	Class A Amplifier	6.3	0.15	250	100	-3.0	2.0	0.5	1.5	1225			
6X2	2R	Half-wave Rectifier	6.3	0.09	Max. PIV = 17,000 volts Max. Peak Plate Current = 80 ma Max. Average Plate Current = 0.35 ma									
6X4	2R, 2R	Rectifier	6.3	0.6	Max. DC Output Current = 70 ma Max. Peak Plate Current/Plate = 210 ma Max. PIV = 1250 volts									
6X5 6X5G 6X5GT	2R, 2R	Full-wave Rectifier	6.3	0.6	Max. PIV = 1250 volts Max. Peak Plate Current/Plate = 210 ma									
6X6G		Tuning Indicator	6.3	0.3	Target Voltage = 250 volts Control Grid Voltage = 50 volts Target Current = 4.0 ma								Target Cathode Voltage = 50 volts	
6X8	3, 5	Triode Amplifier	6.3	0.45	100	—	*	8.5	—	0.0069	5800	$R_k = 100 \Omega$, $\mu = 40$		
6X8A		Pentode Amplifier			250	150	*	7.7	1.6	0.75	4600	$R_k = 200 \Omega$		
6Y3G	2R	Half-wave Rectifier	6.3	0.7	Max. PIV = 14,000 volts Max. Peak Plate Current = 100 ma Max. DC Output Current = 7.5 ma									
6Y5	2R, 2R	Full-wave Rectifier	6.3	0.8	Max. AC Voltage/Plate = 350 (rms) Max. DC Output Current = 50 ma									

*See quoted value of R_k



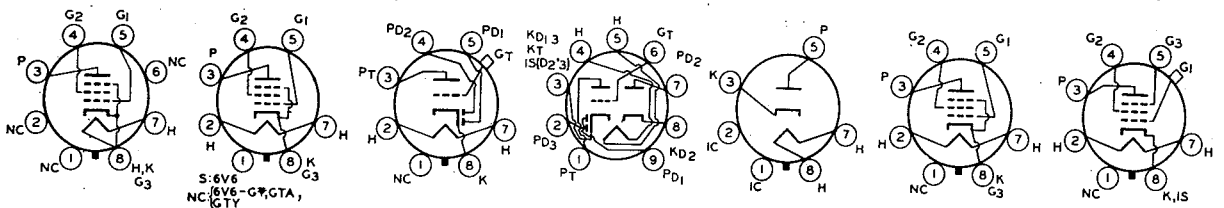
6U6-GT

6U7-G

6U8
6U8-A

6V3
6V3-A

6V4



6V5-GT

6V6
6V6-GT
6V6-GTA
6V6-GTY

6V7-G

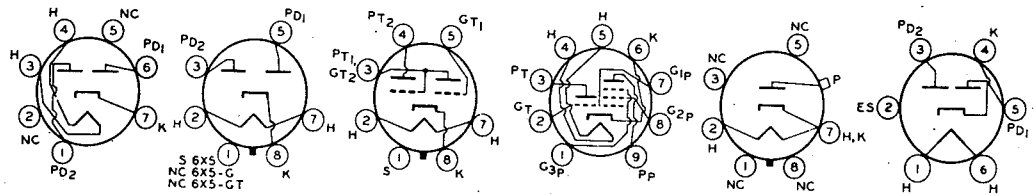
6V8

6W4-GT

6W6-GT

6W7-G

FLYING
LEADS



6X2

6X4

6X5
6X5-G
6X5-GT

6X6-G

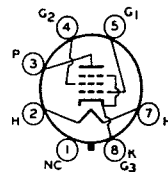
6X8
6X8-A

6Y3-G

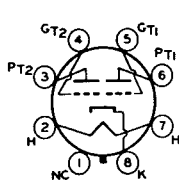
6Y5

TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
6Y6G 6Y6GA 6Y6GT	5	Class A Amplifier	6.3	1.25	135 200	135 135	-13.5 -14.0	58.0 61.0	3.5 2.2	0.009 0.0183	7000 7100	$R_L = 2.0 K\Omega$, $W_o = 3.6$ watts $R_L = 2.6 K\Omega$, $W_o = 6.0$ watts
6Y7G	3, 3	Class B Amp.	6.3	0.6	See Type 79 Characteristics							
6Z4 6Z4/84	2R, 2R	Full-wave Rectifier	6.3	0.5	AC Voltage/Plate = 325 volts Max. PIV = 1250 volts DC Output Current = 60 ma Max. Peak Plate Curr. = 180 ma							
6Z5	2R, 2R	Full-wave Rectifier	6.3 12.6	0.8 0.4	Max. AC Voltage/Plate = 230 volts Max. PIV = 1500 volts Max. DC Output = 60 ma							
6Z7G	3, 3	Class B Amplifier	6.3	0.3	135 180	— —	0 0	60 60	— —	— —	— —	$R_L \uparrow = 9.0 K\Omega$, $W_o = 2.5$ watts $R_L \uparrow = 12.0 K\Omega$, $W_o = 4.2$ watts
6ZY5G	2R, 2R	Full-wave Rectifier	6.3	0.3	Max. AC Voltage/Plate = 325 volts (rms) Max. PIV = 1250 volts Max. DC Output = 40 ma Max. Peak Plate Curr. = 120 ma							
7A4	3	Class A Amplifier	6.3	0.3	See 6J5 Characteristics							
7A5	5	Class A Amplifier	6.3	0.75	110 125	110 125	-7.5 -9.0	40.0 44.0	3.0 3.3	0.014 0.017	5800 6000	$R_L = 2.5 K\Omega$, $W_o = 1.5$ watts $R_L = 2.7 K\Omega$, $W_o = 2.2$ watts
7A6	2, 2	Detector Rectifier	6.3	0.15	Max. AC Voltage/Plate = 150 volts (rms) Max. Peak Plate Current/Plate = 45 ma Max. DC Output Current/Plate = 8.0 ma							
7A7	5	Class A Amplifier	6.3	0.3	See 6SK7 Characteristics							
7A7LM	5	Class A Amplifier	6.3	0.3	250■	100■	-3.0▲	8.6	2.0	0.8	2000	
7A8	8	Converter	6.3	0.15	250	G_{3+5} 100	G_4 -3.0	3.0	G_{3+5} 3.2	0.7		$I_{c2} = 4.2$ ma $I_{c1} = 0.4$ ma $R_{s1} = 50 K\Omega$, $g_c = 550 \mu$ mhos
7AB7	5	Class A Amplifier	6.3	0.15	250	100	-2.0	4.0	1.3	0.5	1800	
7AD7	5	Class A Amplifier	6.3	0.6	300	150	*	28.0	7.0	0.3	9500	$R_k = 68 \Omega$
7AF7	3, 3	Class A Amplifier	6.3	0.3	250 100	— —	* *	9.0 10.8	— —	0.007 0.008	2100 1900	$R_k = 1100 \Omega$, $\mu = 16$ $R_k = 600 \Omega$, $\mu = 16$
7AG7	5	Class A Amplifier	6.3	0.15	250	250	*	6.0	2.0	1.0	4200	$R_k = 250 \Omega$
7AH7	5	Class A Amplifier	6.3	0.15	250	250	*	6.8	1.9	1.0	3300	$R_k = 250 \Omega$
7AJ7	5	Class A Amplifier	6.3	0.3	100 250	100 100	-1.0 -3.0	5.7 2.2	1.8 0.7	0.4 1.0	2275 1575	
7AK7	5	Class A Amplifier	6.3	0.8	150 150	90 90	0 0	40 2.0■	21 43	0.0115 —	5500 —	$E_{c3} = 0$ volts $E_{c3} = -9.5$ volts
7AU7	3, 3	Class A Amplifier	3.5 7.0	0.6 0.3	100 250	— —	0 -8.5	11.3 10.5	— —	0.006 0.008	3100 2200	$\mu = 20$ $\mu = 17$
7B4	5	Class A Amplifier	6.3	0.3	See 6SF5 Characteristics							
7B5	5	Class A Amplifier	6.3	0.4	See 6K6GT Characteristics							
7B6	2, 2, 3	Triode Amplifier	6.3	0.3	See 6SQ7 Characteristics							
7B6LM	2, 2, 3	Class A Amplifier	6.3	0.3	250		-2.0	0.2	0.9	0.091	1100	$\mu = 100$
7B7	5	Class A Amplifier	6.3	0.15	250	100	-3.0	8.5	1.7	0.75	1750	
7B8	7	Converter	6.3	0.3	See 6A8 Characteristics							

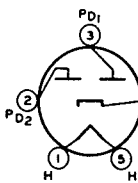
*See quoted value of R_k †Plate to Plate ■ Design Maximum for 117-volt Line ▲ Design Minimum for 117-volt Line



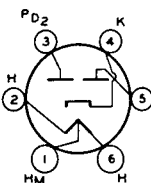
**6Y6-G
6Y6-GA
6Y6-GT**



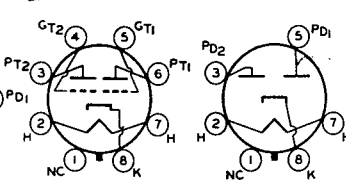
6Y7-G



**6Z4
6Z4/84**

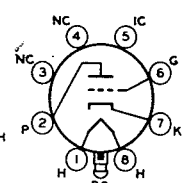


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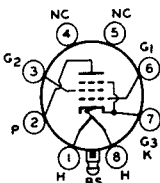


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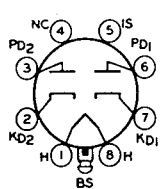
6ZY5-G



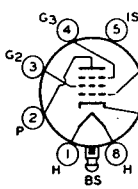
7A4



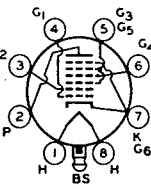
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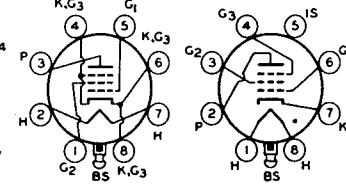
7A6



**7A7
7A7-LM**

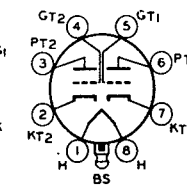


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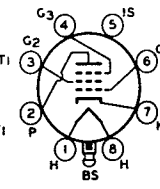


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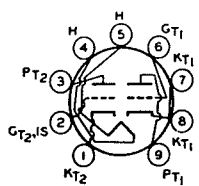
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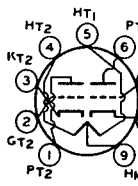
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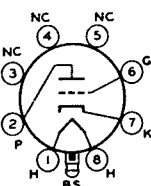
**7AG7
7AH7
7AJ7
7AK7**



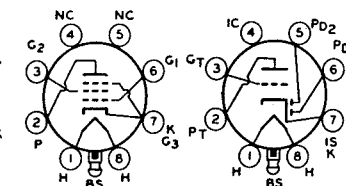
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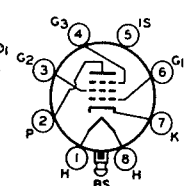
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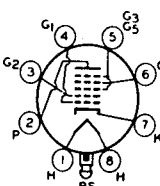
7B4



7B5



**7B6
7B6-LM**



7B7

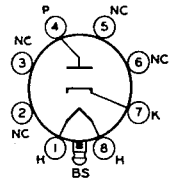
**7B8
7B8-LM**

TYPE	Class	Use	E_r volts	I_r amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
7B8LM	7	Converter	6.33	0.3	100	50	-1.5▲	1.1	1.3	0.6	—	$g_c = 360$
					250	100	-3.0▲	3.5	2.7	0.36	—	$g_c = 550$
7C4	2R	Detector Rectifier	6.3	0.15	Max. Plate Voltage = 117 volts Max. DC Output Current = 5.0 ma							
7C5	5	Class A Amplifier	6.3	0.45	See 6V6GT Characteristics							
7C5LT	5	Class A Amplifier	6.3	0.45	250	250	-12.5	45	4.5	0.052	4100	$R_L = 5.0 K\Omega$, $W_o = 4.5$ watts $R_L = 8.5 K\Omega$, $W_o = 5.5$ watts
					315	225	-13.0	34	2.2	0.077	3750	
7C6	2, 2, 3	Triode Amplifier	6.3	0.15	250	—	-1.0	1.3	—	0.1	1000	$\mu = 100$
7C7	5	Class A Amplifier	6.3	0.15	100	100	-3.0	1.8	0.4	1.2	1225	
					250	100	-3.0	2.0	0.5	2.0	1300	
7D7	3, 6	Hexode Converter	7.0	0.48	250	100	-3.0	1.3	2.8	1.5	—	$g_c = 275 \mu$ mhos
		Triode Oscillator			250	—	-3.0	5.0	—	—	—	$R_{g1} = 50 K\Omega$
7E5	3	Class A Amplifier	6.3	0.15	180	—	-3.0	5.5	—	0.012	3000	$\mu = 36$
7E6	2, 2, 3	Triode Amplifier	6.3	0.3	See 6BF6 Characteristics							
7E7	2, 2, 5	Class A Amplifier	6.3	0.3	100	100	*	10.0	2.7	0.15	1600	$R_k = 890\Omega$
					250	100	*	7.5	1.6	0.7	1300	$R_k = 330\Omega$
7EY6	5	Vertical Deflection Amp.	7.2	0.6	Max. Peak Pos. Pulse Plate Voltage = 2500 volts Max. DC Screen Grid Voltage = 300 volts, Max. Screen Dissip. = 2.75 w Max. DC Cathode Curr. = 60 ma. Max. Plate Dissip. = 11 watts							
		Class A Amplifier			250	250	-17.5	44	3.0	0.06	4400	
7F7	3, 3	Class A Amplifier	6.3	0.3	See 6SL7GT Characteristics							
7F8	3, 3	Class A Amplifier	6.3	0.3	250	—	*	6.0	—	0.015	3300	$R_k = 500 \Omega$, $\mu = 48$
7G7	5	Class A Amplifier	6.3	0.45	250	100	-2.0	6.0	2.0	0.8	4500	
7G8	4, 4	Voltage Amplifier	6.3	0.3	250	100	-2.5	4.5	0.8	0.225	2100	
7H7	5	Class A Amplifier	6.3	0.3	100	100	-1.5	7.5	2.6	0.35	4000	$R_k = 180 \Omega$
					250	150	*	10.0	3.2	0.8	4000	
7J7	3, 7	Triode Oscillator	6.3	0.3	250°	—	*	5.0	—	—	1400	$I_{c1} = 0.4$ ma $R_{g1} = 50 K\Omega$
		Heptode Mixer			250	100	-3.0	1.4	2.8	1.5		$g_c = 290 \mu$ mhos
7K7	2, 2, 3	Triode Amplifier	6.3	0.3	250	—	-2.0	2.3	—	0.044	1600	$\mu = 70$
7L7	5	Class A Amplifier	6.3	0.3	100	100	-1.0	5.5	2.4	0.1	3000	
					250	100	-1.5	4.5	1.5	1.0	3100	
7N7	3, 3	Amplifier	6.3	0.6	See 6SN7GT Characteristics							
7Q7	7	Converter	6.3	0.3	100	100	-2.0	3.3	8.5	0.5	$R_{g1} = 20 K\Omega$	
					250	100	-2.0	3.5	8.5	1.0	$g_c = 550 \mu$ mhos	
7R7	2, 2, 5	Class A Amplifier	6.3	0.3	100	100	-1.0	5.5	2.2	0.35	3000	
					250	100	-1.0	5.7	2.1	1.0	3400	
7S7	3, 7	Triode Converter	6.3	0.3	250●	—	—	5.0	—	—	—	$I_{c1} = 0.4$ ma $R_{g1} = 50 K\Omega$
		Heptode Converter			250	100	-2.0	1.8	3.0	1.25	g_c 1650	
7T7	5	Class A Amplifier	6.3	0.3	250	150	-1.0	10.8	4.1	0.9	4900	
					100	100	-1.0	5.3	2.1	0.3	4000	

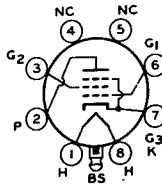
*See quoted value of R_k

●Supply Voltage

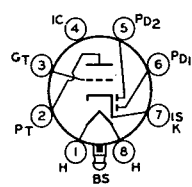
▲Design Value for 117-volt Line



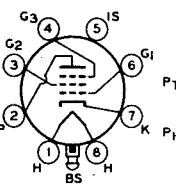
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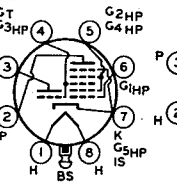
7C5
7C5-LT



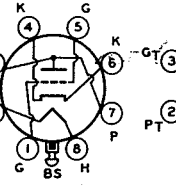
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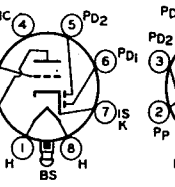
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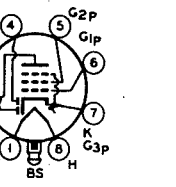
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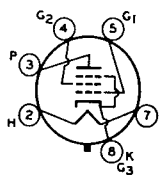
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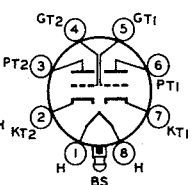
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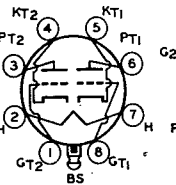
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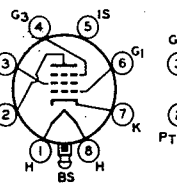
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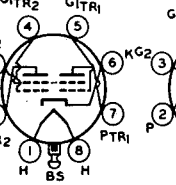
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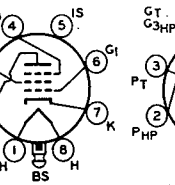
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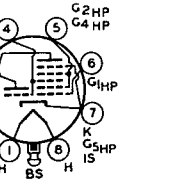
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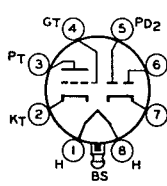
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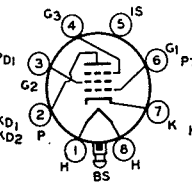
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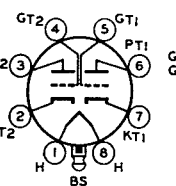
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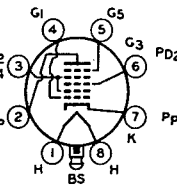
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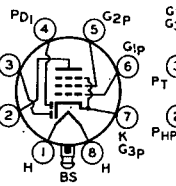
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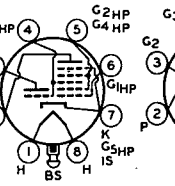
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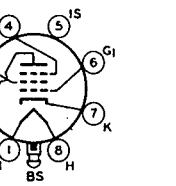
7Q7



7R7



7S7



7T7
7V7

For 7B8LM, see previous page

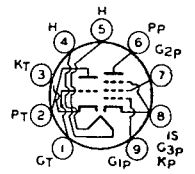
TYPE	Class	Use	E_r volts	I_r amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
7V7	5	Class A Amplifier	6.3	0.45	300	150	—	10.0	3.9	0.3	5800	$R_k = 160 \Omega$
7W7	5	Class A Amplifier	6.3	0.45	See 7V7 Characteristics							
7X7	2, 2, 3	Triode Amplifier	6.3	0.3	100	—	0	1.2	—	0.085	1000	$\mu = 85$
					250	—	-1.0	1.9	—	0.067	1500	$\mu = 100$
7Y4	2R, 2R	Full-wave Rectifier	6.3	0.5	Max. DC Output = 70 ma Max. Peak Plate Current/Plate = 180 ma Max. PIV = 1250 volts							
7Z4	2R, 2R	Full-wave Rectifier	6.3	0.9	Max. DC Output Curr. = 100 ma Max. Peak Plate Current/Plate = 300 ma Max. PIV = 1250 volts							
8AU8	3, 5	Pentode Amplifier	8.4	0.45	200	125	*	15.0	3.4	0.15	7000	$R_k = 82 \Omega$
		Triode Amplifier			150	—	*	8.5	—	0.008	4900	$R_k = 150 \Omega$
8AW8A	3, 5	Triode Amplifier	8.4	0.45	See 6AW8A Characteristics							
		Pentode Amplifier										
8BA8A	3, 5	Pentode Amplifier	8.4	0.45	200	150	*	13.0	3.5	0.4	9000	$R_k = 180 \Omega$
		Triode Amplifier			200	—	—	8.0	—	0.007	2700	$\mu = 18$
8BH8	3, 5	Class A Amplifier	8.4	0.45	See 6BH8 Characteristics							
8BN8	2, 2, 3	Class A Amplifier	8.4	0.45	250	—	-3.0	1.6	—	0.028	2500	$\mu = 70$
8BQ5	5	Class A Amplifier	8.0	0.6	See 6BQ5 Characteristics							
8BQ7A	3, 3	Class A Amplifier	8.4	0.3	150	—	*	9.0	—	0.0061	6400	$R_k = 220, \mu = 39$
8CG7	3, 3	Class A Amplifier	8.4	0.45	See 6CG7 Characteristics							
8CM7	3, 3	Class A Amplifier	8.4	0.45	See 6CM7 Characteristics							
8CN7	2, 2, 3	Class A Amplifier	8.4	0.225	100	—	-1.0	0.8	—	0.054	1300	
					250	—	-3.0	1.0	—	0.058	1200	
8CS7	3, 3	Osc. Amplifier	8.4	0.45	See 6CS7 Characteristics							
8CX8	3, 5	Pentode Amplifier	8.0	0.60	See 6CX8 Characteristics							
		Triode Amplifier										
8CY7	3, 3	Class A Amplifier	7.9	0.6	See 6CY7 Characteristics							
8EB8	3, 5	Class A Amplifier	8.0	0.6	See 6EB8 Characteristics							
8EM5	5	Class A Amplifier	8.4	0.6	See 6EM5 Characteristics							
8SN7GTB	3, 3	Class A Amplifier	8.4	0.45	90	—	0	10.0	—	0.0067	3000	$\mu = 20$
					250	—	-8.0	9.0	—	0.0077	2600	$\mu = 20$
9A8	3, 5	Class A Amplifier	9.0	0.3	See 6BL8 Characteristics							
9AK8	2, 2, 2, 3	Detector Amplifier	9.5	0.3	200	—	-2.3	1.0	—	0.05	1400	$\mu = 70$
					100	—	-1.0	0.8	—	0.048	1450	$\mu = 70$
9AQ8	3, 3	Class A Amplifier	9.0	0.3	200	—	-2.1	10.0	—	—	5800	$\mu = 48$
					170	—	-1.5	10.0	—	—	6200	$\mu = 50$
9AU7	3, 3	Class A Amplifier	4.7	.45	See 7AU7 Characteristics							
			9.4	.225								
9BM5	5	Power Amplifier	9.5	0.3	250	250	-6.0	30	3.0	0.06	7000	$R_k = 7.0 K\Omega$, $W_o = 3.5$ watts
9BR7	2, 2, 3	Class A Amplifier	4.7 9.4	0.6 0.3	250	—	*	10	—	0.0109	4000	$\mu = 60, R_k = 200 \Omega$

*See quoted value of R_k

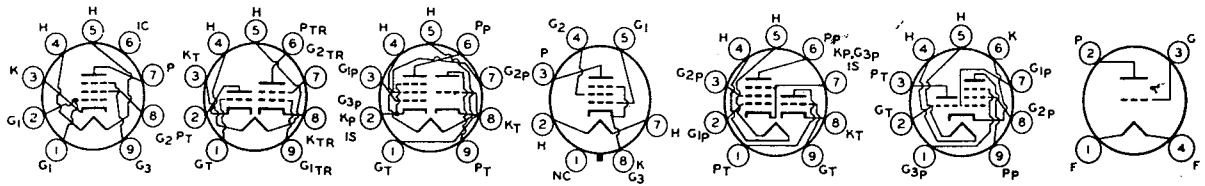
TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	g_m μ mhos	
9BR8	3, 5	VHF Osc.	9.45	0.3	150		*	18		0.005	8500	$\mu = 40, R_k = 56 \Omega$
		VHF Amp.			250	110	*	10	3.5	.4	5200	$R_k = 68 \Omega$
9BW6	5	Power Amplifier	9.45	0.3	250	250	-12.5	45	4.5	0.05	4100	$R_L = 5 K\Omega,$ $W_o = 4.5$ watts
9CL8	3, 4	Class A Amplifier	9.5	0.3	See 6CL8 Characteristics							
9DZ8	3, 5	Class A Amplifier	9.0	0.6	See 6DZ8 Characteristics							
9EF6	5	Vertical Deflection Amplifier	9.4	0.6	See 6EF6 Characteristics							
9U8 9U8A	3, 5	Class A Amplifier	9.45	0.3	See 6U8 Characteristics							
9X8	3, 5	Class A Amplifier	9.5	0.3	See 6X8 Characteristics							
10	3	Class A Amplifier	7.5	1.25	350	—	-32.0	16.0	—	0.0051	1550	$\mu = 8.0, R_L = 11 K\Omega,$ $W_o = 0.9$ watts,
					425	—	-40.0	18.0	—	0.005	1600	$R_L = 10.2 K\Omega,$ $W_o = 1.6$ watts
10C8	3, 5	Triode Amplifier	10.5	0.3	250	—	*	7.3	—	0.012	4400	$\mu = 53, R_k = 390 \Omega$
		Pentode Amplifier			135	135	*	11.5	3.2	0.19	8000	$R_k = 100 \Omega$
10DA7	3, 3	Osc. Amplifier	10.5	0.6	250	—	-8.0	9.0	—	0.0077	2600	$\mu = 20$
					150	—	-17.5	40	—	0.0011	5700	$\mu = 6.3$
10DE7	3, 3	Osc. Amp.	10.0	0.6	See 6DE7 Characteristics							
10EB8	3, 5	Amplifier	10.5	0.45	See 6EB8 Characteristics							
11	3	Class A Amplifier	1.1	0.25	90	—	-4.5	2.5	—	0.0155	425	$\mu = 6.6$
					135	—	-10.5	3.0	—	0.015	440	$\mu = 6.6$
11C5	5	Power Amplifier	11.6	0.45	See 35C5 Characteristics							
11CY7	3, 3	Class A Amplifier	11.0	0.45	See 6CY7 Characteristics							
12	3	Class A Amplifier	1.1	0.25	See Type 11 Characteristics							
12A	3	Class A Amplifier	5.0	0.25	180	—	-13.5	7.7	—	0.0047	1800	$R_L = 10.65 K\Omega,$ $W_o = 0.285$ watts
					135	—	-9.0	6.2	—	0.0051	1650	$R_L = 9.0 K\Omega,$ $W_o = 0.13$ watts
12A4	3	Class A Amplifier	6.3	0.6	250	—	-9.0	23	—	.0025	8000	$\mu = 20$
			12.6	0.3								
12A5	5	Class A Amplifier	6.3	0.6	100	100	-15.0	17.0	3.0	0.05	1700	$R_L = 4.5 K\Omega,$ $W_o = 0.8$ watts
			12.6	0.3	180	180	-25.0	45.0	8.0	0.035	2400	$R_L = 3.3 K\Omega,$ $W_o = 3.4$ watts
12A6 12A6GT	5	Power Amplifier	12.6	0.15	250	250	-12.5	30	3.5	0.07	3000	$R_L = 7.5 K\Omega,$ $W_o = 3.4$ watts
12A7	2, 5	Pent. Amplifier	12.6	0.3	135	135	-13.5	9.0	2.5	0.102	975	$R_L = 13.5 K\Omega,$ $W_o = 0.55$
		Rectifier Unit			Max. AC Volts/Plate = 125 volts rms. Max. DC Output Curr. = 30 ma							
12A8G 12A8GT	7	Converter	12.6	0.15	See 6A8 Characteristics							
12AB5	5	Class A Amplifier	12.6	0.2	250	200	*	33.5	1.6	$R_k = 270 \Omega, R_L = 6.0 K\Omega,$ $W_o = 3.3$ watts		
		Class AB Amplifier			250	250	-15.0	70.0	5.0	0.06	3750	$R_L = 10 K\Omega,$ $W_o = 10.0$ watts

*See quoted value of R_k

▼ Two valves



9BR8



9BW6

9CL8

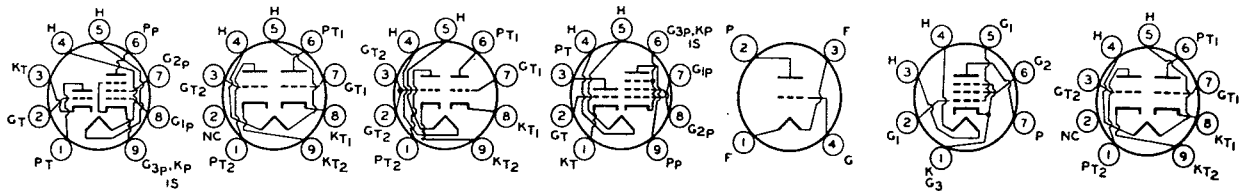
9DZ8

9EF6

9U8
9U8-A

9X8

10



10C8

10DA7

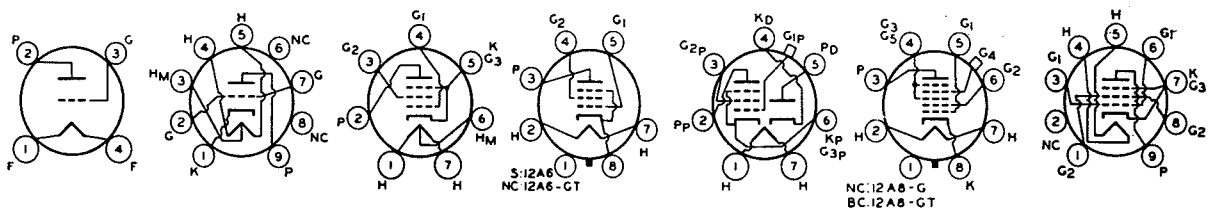
10DE7

10EB8

11

11C5

11CY7



12
12-A

12A4

12A5

12A6
12A6-GT

12A7

12A8-G
12A8-GT

12AB5

TYPE	Class	Use	E_r volts	I_r amps	E_b volts	E_{c2} volts	E_{c1} volts	I_b ma	I_{c2} ma	r_p M Ω	E_m μ mhos	
12AC5	5	RF Amplifier	12.6	0.1	200	200	-3.0	7.2	2.1	1.0	2300	
12AC6	5	Amplifier	12.6	0.15	12.6	12.6	0	5.50	0.2	0.5	730	
12AD5	5	RF Amplifier	12.6	0.1	100	100	-2.5	6.0	1.75	0.6	2200	
12AD6	7	Converter	12.6	0.15	12.6	12.6	1.6 rms	0.45	1.5	1.0	$R_{g1} = 3.3 \text{ K}\Omega, g_c = 260 \mu\text{mhos}$	
12AD7	3, 3	Amplifier	12.6	0.225	250	—	-2.0	1.25	—	0.0625	1600	$\mu = 100$
12AE6	2, 2, 3	Class A Amplifier	12.6	0.15	12.6	—	0	0.75	—	0.015	1000	$\mu = 15$
12AE6A	2, 2, 3	Class A Amplifier	12.6	0.15	12.6	—	*	0.32	—	0.02	715	$\mu = 14.3, R_k = 10 \text{ M}\Omega$
12AE7	3, 3	Driver (1)	12.6	0.45	12.6	—	†	1.9	—	0.003	4000	$\mu = 13, R_{g1} = 1.5 \text{ M}\Omega$
		(2)			12.6	—	†	7.5	—	985 ohms	6500	$\mu = 6.4, R_{g1} = 1 \text{ M}\Omega$
12AF3	2	TV Damper Diode	12.6	0.6	See 6AF3 Characteristics							
12AF6	5	Class A Amplifier	12.6	0.15	12.6	12.6	0	0.8	0.3	0.3	1250	
12AG6	7	Converter	12.6	0.15	12.6	12.6	0	0.55	1.4		300	
12AH7GT	3, 3	Class A Amplifier	12.6	0.15	100	—	-3.6	3.7	—	0.01	1550	$\mu = 16$
					180	—	-6.5	7.6	—	0.0084	1900	$\mu = 16$
12AH8	3, 7	Converter	12.6	0.15	250	100	-3.0	2.6	4.4	$g_c = 550 \mu\text{mhos}$		
12AJ6	2, 2, 3	Class A Amplifier	12.6	0.15	12.6	—	0	0.75	—	0.045	1200	$\mu = 55$
12AJ7	3, 7	Hept. Amplifier	12.6	0.15	200	117	-2.3	7.4	4.6	0.5	2400	
		Tri. Amplifier			100	—	0	13.5	—	—	3700	$\mu = 22$
12AL5	2, 2	Det. Rectifier	12.6	0.15	See 6AL5 Characteristics							
12AL8	3, 4	Tri. Amplifier	12.6	0.55	12.6	—	-0.9	0.5	—	0.013	1000	$\mu = 13, R_{g1} = 2.2 \text{ M}\Omega$
		Tetr. Amplifier			12.6	-0.5	+12.6	40	75	480 ohms	15,000	$\mu = 7.2, R_L = 0.8 \text{ K}\Omega, W_o = 0.04 \text{ w}$
12AQ5	5	Amplifier	12.6	0.225	See 6V6 Characteristics							
12AT6	2, 2, 3	Class A Amplifier	12.6	0.15	See 6AT6 Characteristics							
12AT7	3, 3	Class A Amplifier	6.3	0.3	100	—	*	3.7	—	0.015	4000	$R_k = 270 \Omega, \mu = 60$
			12.6	0.15	250	—	*	10.0	—	0.01	5500	$R_k = 200 \Omega, \mu = 60$
12AU6	5	Class A Amplifier	12.6	0.15	See 6AU6 Characteristics							
12AU7 12AU7A	3, 3	Class A Amplifier	6.3	0.3	100	—	0	11.8	—	0.0066	3100	$\mu = 20$
			12.6	0.15	250	—	-8.5	10.5	—	0.0077	2200	$\mu = 17.5$
12AV5GA	5	Class A Amplifier	12.6	0.6	250	150	-22.5	57	2.1	0.145	5900	
12AV6	2, 2, 3	Class A Amplifier	12.6	0.15	See 6AV6 Characteristics							
12AV7	3, 3	Class A Amplifier	6.3	0.45	150	—	*	18	—	0.048	8500	$\mu = 41, R_k = 56 \Omega$
			12.6	0.225								
12AW6	5	Class A Amplifier	12.6	0.15	See 6AG5 Characteristics							
12AX4GT 12AX4GTA	2R	TV Damper Diode	12.6	0.6	Max. PIV = 4400 volts Max. Peak Plate Current = 750 ma Max. DC Plate Current = 125 ma							
12AX7	3, 3	Class A Amplifier	12.6	0.15	250	—	-2.0	1.2	—	0.0625	1600	$\mu = 100$
			6.3	0.5								
12AX7A	3, 3	Class A Amplifier			Low Noise, Low Microphony Version of 12AZ7							

*See quoted value of R_k †Contact potential across specified R_{g1}