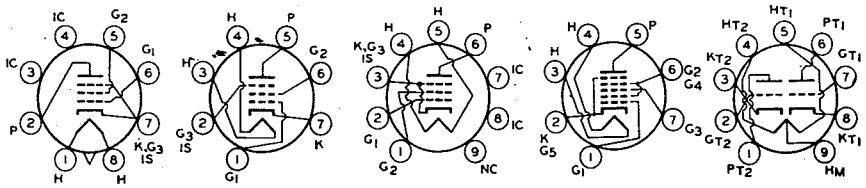
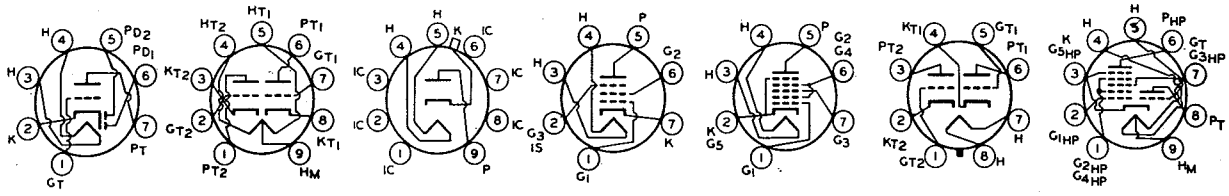
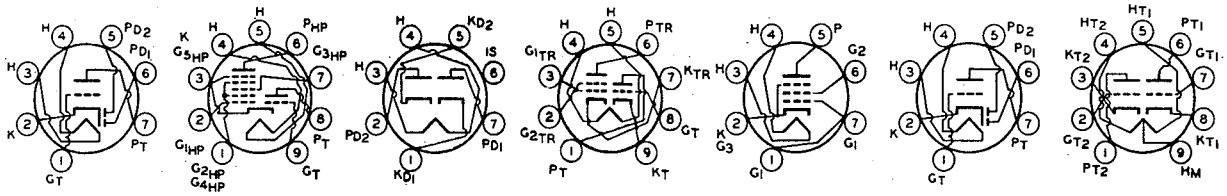


12AC5 - 12AC6 12AD5 12AD6 12AD7



12AE6
12AE6-A 12AE7 12AF3 12AF6 12AG6 12AH7-GT 12AH8



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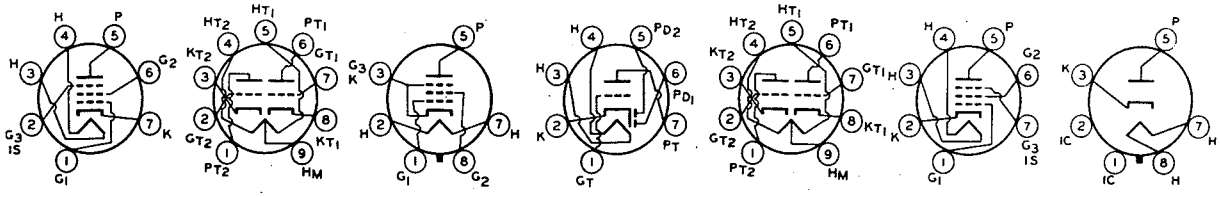
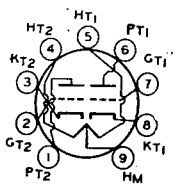


12AU6 12AU7
12AU7-A 12AV5-GA 12AV6 12AV7 12AW6 12AX4-GT
12AX4-GTA

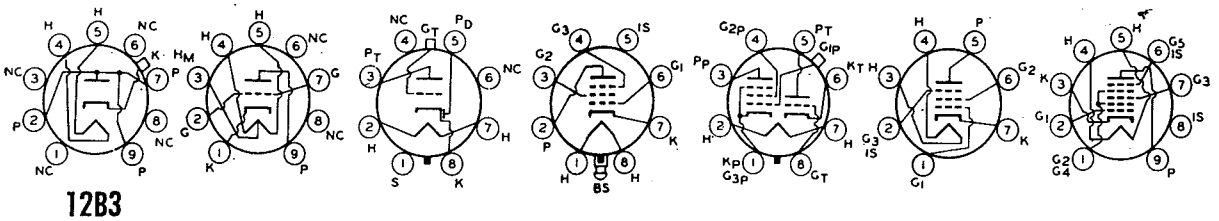
For 12AX7, 12AX7A, see next page

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 MΩ	g_m μmhos	
12AY7	3, 3	Class A Amplifier	12·6	0·15	250	—	−4	3	—	0·02	1750	$\mu = 40$
12AZ7	3, 3	Class A Amplifier	6·3	0·45	100	—	*	3·7	—	0·015	4000	$R_k = 270\,\Omega$, $\mu = 60$
			12·6	0·225	250	—	*	10·0	—	0·0109	5500	$R_k = 200\,\Omega$, $\mu = 60$
12B3	2	TV Damper Diode	12·6	0·6	*See* 6B3 Characteristics							
12B4 12B4A	3	Vertical Deflection Amplifier	6·3 12·6	0·6 0·3	Max. DC Plate Voltage = 550 volts Max. DC Cathode Curr. = 30 ma Max. Peak Pos.-Pulse Plate Voltage = 1000 volts (Abs.) Max. Plate Dissipation = 5·5 w							
12B6M	2, 3	Amplifier	12·6	0·15	250	—	−2·0	0·9	—	0·091	1100	$\mu = 100$
12B7	5	Amplifier	12·6	0·15	*See* 14A7/12B7 Characteristics							
12B8GT	3, 5	Tri. Amplifier	12·6	0·3	90	—	0	2·8	—	0·037	2400	$\mu = 90$
		Pent. Amplifier			90	90	−3·0	7·0	2·0	0·2	1800	
12BA6	5	Class A Amplifier	12·6	0·15	*See* 6BA6 Characteristics							
12BA7	7	Converter	12·6	0·15	*See* 6BA7 Characteristics							
12BD6	5	Class A Amplifier	12·6	0·15	*See* 6BD6 Characteristics							
12BE6	7	Converter	12·6	0·15	*See* 6BE6 Characteristics							
12BF6	2, 2, 3	Class A Amp.	12·6	0·15	250	—	−9·0	9·5	—	0·0085	1900	$\mu = 16$ $W_o = \cdot 3$ watts
12BH7 12BH7A	3, 3	Vertical Deflection Amplifier	12·6 6·3	0·3 0·6	Max. DC Plate Volts = 450 volts Max. DC Cathode Current = 20 ma					Abs. Max. Peak Positive Pulse Plate Voltage = 1500 volts Max. Plate Dissipation = 3·5 watts/plate		
12BK5	5	Power Amplifier	12·6	0·6	*See* 6BK5 Characteristics							
12BK6	2, 2, 3	Det. Amplifier	12·6	0·5	100	—	−1·0	0·5	—	0·08	1250	$\mu = 100$
					250	—	−2·0	1·2	—	0·062	1600	$\mu = 100$
12BL6	5	Class A Amplifier	12·6	0·15	12·6	12·6	0	1·35	0·5	0·5	1350	
12BN6	5	Limiter Discriminator	12·6	0·15	65	60	−1·3	0·23	5·0			
12BQ6GA 12BQ6GT 12BQ6GTA	5	Horizontal Deflection Amplifier	12·6	0·6	*See* 6BQ6GA Characteristics							
12BQ6-GTB/12CU6	5	Horizontal Deflection Amplifier	12·6	0·6	Max. DC Plate Voltage = 600 volts Max. Plate Dissipation = 11 w Max. DC Cathode Current = 112·5 ma Max. Peak Pos-Pulse Plate Voltage = 6000 volts (Abs.)							
12BR7 12BR7A	2, 2, 3	Class A Amplifier	12·6 6·3	0·225 0·45	100	—	*	3·7	—	0·015	4000	$R_k = 270\,\Omega$, $\mu = 60$
					250	—	*	10	—	0·0109	5500	$R_k = 200\,\Omega$, $\mu = 60$
12BT6	2, 2, 3	Detector Amplifier	12·6	0·15	100	—	−1·0	0·8	—	0·054	1300	$\mu = 70$
					250	—	−3·0	1·0	—	0·058	1200	$\mu = 70$
12BU6	2, 2, 3	Detector Amplifier	12·6	0·15	250	—	−3·0	3·9	—	0·011	1500	$R_L = 10$ KΩ, $W_o = 0·3$ watts
					100	—	−9·0	9·5	—	0·0085	1900	$\mu = 16·5$
12BV7	5	Class A Amplifier	6·3 12·6	0·6 0·3	250	150	*	27	6·0	0·085	1300	$R_k = 68\,\Omega$
					250	180	−8·0	0·5 min.	—	—	—	
12BY7 12BY7A	5	Class A Amplifier	12·6 6·3	0·3 0·6	250	150	*	25	6·0	0·11	12,000	$R_k = 68\,\Omega$

*See quoted value of R_k



12AX7
12AX7-A
12AY7
12AZ7



12B3

12B4
12B4-A

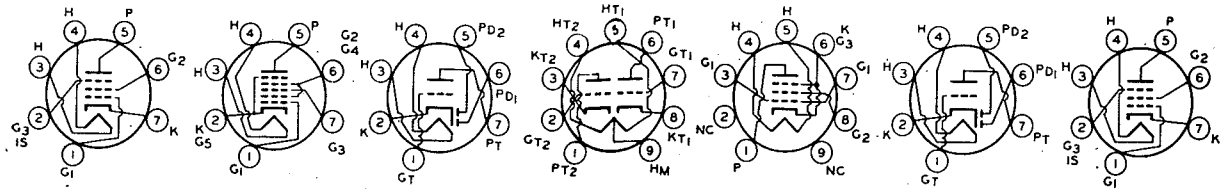
12B6-M

12B7

12B8-GT

12BA6

12BA7



12BD6

12BE6

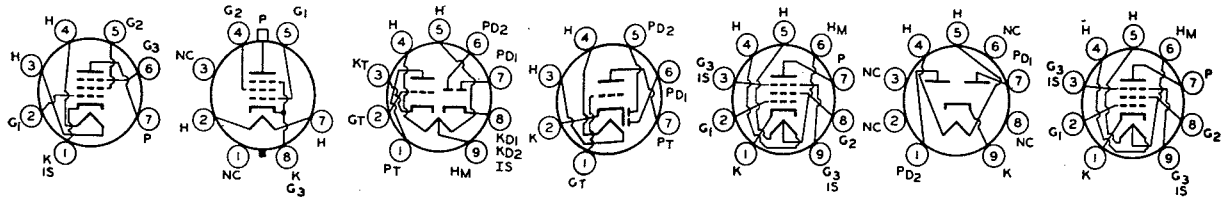
12BF6

12BH7
12BH7-A

12BK5

12BK6

12BL6



12BN6

12BQ6-GA
12BQ6-GT,-GTA
12BQ6-GTB/12CU6

12BR7
12BR7-A

12BT6
12BU6

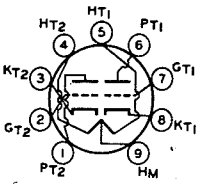
12BV7

12BW4

12BY7
12BY7-A

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 MΩ	g_m μmhos	
12BZ7	3, 3	Class A Amplifier	6·3 12·6	0·6 0·3	250	—	−2·0	2·5	—	0·0318	3200	μ = 100
12C5	5	Power Amplifier	12·6	0·6	110	110	−7·5	49	4·0	0·01	7500	R_L = 2·5 KΩ, W_o = 1·9 watts
12C8	2, 2, 5	Class A Amplifier	12·6	0·15	250	125	−3·0	10·0	2·3	0·6	1325	
12CA5	5	Class A Amplifier	12·6	0·6	110	110	−4·0	32	3·5	0·016	8100	R_L = 3·5 KΩ, W_o = 1·1 watts
					125	125	−4·5	37	4·0	0·015	9200	R_L = 4·5 KΩ, W_o = 1·5 watts
12CM6	5	Power Amplifier	12·6	0·225	*See* 6CM6 Characteristics							
12CN5	5	Class A Amplifier	12·6	0·45	12·6	12·6	0	4·5	0·35	0·04	3800	
12CR5	5	Horiz. Defl. Amplifier	12·6	0·6	*See* 6CR5 Characteristics							
12CR6	2, 5	Det. Amplifier	12·6	0·15	250	100	−2·0	9·6	2·6	0·8	2200	
12CS5	5	Power Amplifier	12·6	0·6	*See* 6CS5 Characteristics							
12CS6	7	Sync. Sep.	12·6	0·15	100	30	0	0·8	4·0	0·7	950	E_{c3} = −1
					100	30	−1·0	0·75	1·1	1·0	1250	E_{c3} = 0
12CT8	3, 5	Triode Amplifier	12·6	0·3	150		*	9·0		0·0082	4900	R_k = 152 μ = 40
		Pentode Amplifier			200	125	*	15·0	3·4	0·15	7000	R_k = 82
12CU5	5	Class A Amplifier	12·6	0·6	120	110	−8·0	49	4	0·01	7500	R_L = 2·5 KΩ, W_o = 2·3 watts
12CU5/12C5	5	Class A Amplifier	12·6	0·6	*See* 6CU5 Characteristics							
12CU6	5	Horiz. Amplifier	12·6	0·6	*See* 6BQ6G Characteristics							
12CX6	5	Class A Amplifier	12·6	0·15	12·6	12·6		3·0	1·4	0·04	3100	R_{g1} = 2·2 MΩ
12CY6	5	Class A Amplifier	12·6	0·2	12·6	12·6		1·6	0·4	0·14	3250	R_{g1} = 2·2 MΩ
12D4	2R	Half-wave Rectifier	12·6	0·6	Max. PIV = 4400 volts Plate Dissipation = 5·5 w Peak Plate Current = 900 ma Max. Output Current = 155 ma							
12DB5	5	Power Amplifier	12·6	0·2	110	110	−7·5	49	4·0	0·013	8000	R_L = 2·0 KΩ
12DE8	2, 5	Class A Amplifier	12·6	0·2	12·6	12·6	−80	1·3	0·5	0·3	1500	
12DF5	2R, 2R	Full-wave Rectifier	12·6 6·3	0·45 0·9	Max. AC Voltage/Plate = 450 volts (rms) Max. PIV = 1275 volts Max. Peak Plate Curr./Plate = 350 ma Max. Output Current = 60 ma							
12DF7	3, 3	Class A Amplifier	12·6 6·3	0·15 0·3	*See* 12AX7 Characteristics (Special Low Noise)							
12DK5	5	Class A Amplifier	12·6	0·3	12·6	12·6		2·0	0·65	0·1	3300	R_{g1} = 2·2 MΩ
12DK7	2, 2, 4	Det. Amplifier	12·6	0·5	12·6	12·6		6·0	1·0	0·004	5000	R_{g1} = 2·2 MΩ
12DL8	2, 2, 4	Det. Amplifier	12·6	0·55	12·6	−2·0	+12·6	8·0	75	480 ohms	15,000	R_L = 800 Ω, W_o = 0·04 watts
12DM5	5	Power Amplifier	12·6	0·45	110	110	−7·5	49	4·0	0·014	7500	R_L = 2·5 KΩ, W_o = 1·9 watts
12DQ6	5	Horiz. Defl. Amplifier	12·6	0·6	*See* 6DQ6 Characteristics							

*See quoted value of R_k



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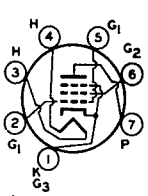

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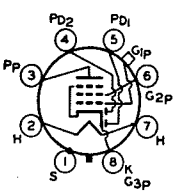

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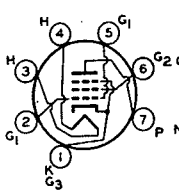

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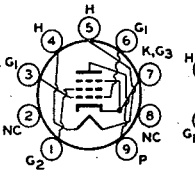

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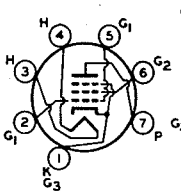

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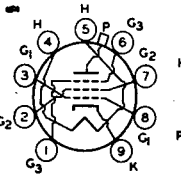

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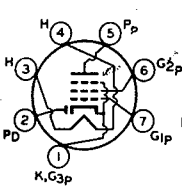

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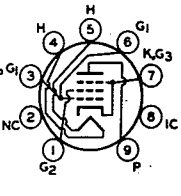

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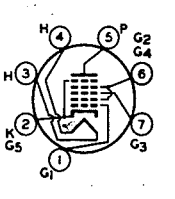

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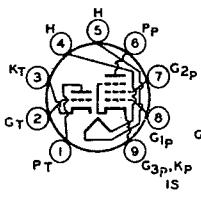

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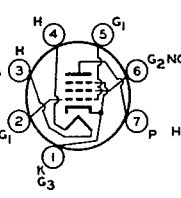
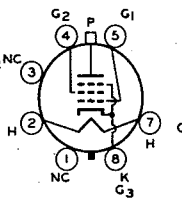


12CU5
12CU5/12C5



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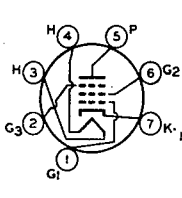

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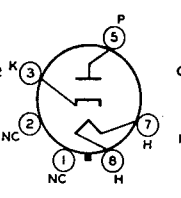

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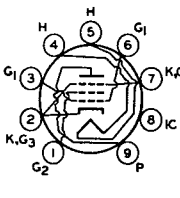

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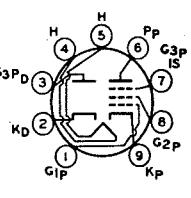

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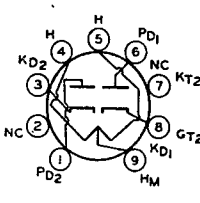

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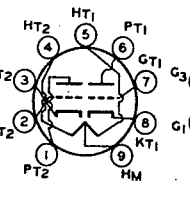

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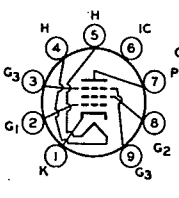

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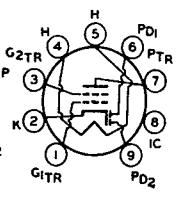

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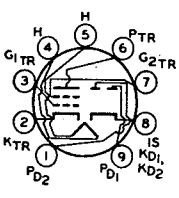

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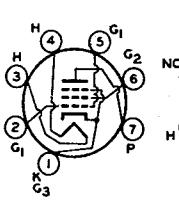

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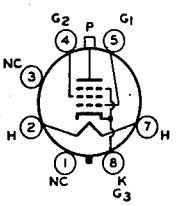
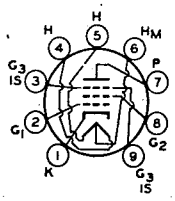


12DQ6
12DQ6-A

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 MΩ	g_m μmhos	
12DQ6A	5	Horiz. Defl. Amplifier	12·6	0·6	*See* 6DQ6A Characteristics							
12DQ7	5	Video Amplifier	12·6	0·6	200	125	*	26·0	5·6	0·053	10,500	R_k = 68 Ω
12DS7	2, 2, 4	Class A Amplifier	12·6	0·4	12·6	−0·5	12·6	40	—	480 Ω	15,000	μ = 7·2, I_{c1} = 75 ma
12DT5	5	Vert. Defl. Amplifier	12·6	0·6	*See* 6DT5 Characteristics							
12DT7	3, 3	Class A Amplifier	6·3 12·6	0·3 0·15	*See* 12AX7 Characteristics							
12DT8	3, 3	Class A Amplifier	12·6	0·15	*See* 6DT8 Characteristics							
12DU7	2, 2, 4	Det. Amplifier	12·6	0·25	12·6	12·6	—	12·0	1·5	0·006	6200	R_L = 2·7 KΩ, R_{g1} = 2·2 MΩ, W_o = 0·025 w
12DV7	2, 2, 3	Det. Amplifier	12·6	0·15	12·6	—	—	0·4	—	0·019	750	μ = 14, R_{g1} = 2·2 MΩ
12DV8	2, 2, 4	Det. Amplifier	12·6	0·375	12·6	—	+12·6	6·8	53	900 ohms	8500	R_k = 18 Ω, μ=7·6, R_{g2}=4·7 MΩ
12DW5	5	Vert. Defl. Amplifier	12·6	0·6	Max. Peak Pos. Plate Voltage = 2200 volts Max. Plate Dissipation = 11 watts Max. DC I_k = 65 ma							
		Class A Amplifier			200	150	−22·5	55	2·0	0·015	5500	
12DW7	3, 3	Unit 1 AF Voltage Amplifier	6·3	0·3	100	—	−1·0	0·5	—	0·08	1250	μ = 100
					250	—	−2·0	1·2	—	0·0625	1600	μ = 100
		Unit 2 AF Phase Inverter	12·6	0·15	100	—	0	11·8	—	·0065	3100	μ = 20
					250	—	−8·5	10·5	—	·0077	2200	μ = 17
12DW8	2, 3, 3	Voltage Amp.	12·6	0·45	12·6	—	0	1·9	—	·00352	2700	μ = 9·5, R_{g1} = 1·5 MΩ
		Driver			12·6	—	0	7·5	—	970 ohms	6500	μ = 6·4, R_{g1} = 1 MΩ
12DZ6	5	RF Amplifier	12·6	0·19	12·6	12·6		4·5	2·2	0·025	3800	R_{g1} = 10 MΩ
12DZ8	3, 5	Class A Amplifier	12·0	0·45	*See* 6DZ8 Characteristics							
12E5GT	3	Class A Amplifier	12·6	0·15	100	—	−5·0	2·5	—	0·012	1150	μ = 13·8
					250	—	−13·5	5·0	—	0·0095	1450	μ = 13·8
12EA6	5	Class A Amplifier	12·6	0·19	12·6	12·6	—	3·2	1·4	0·032	3800	R_{g1} = 10 MΩ
12EC8	3, 5	FM Oscillator	12·6	0·225	12·6	—	0	2·4	—	0·006	4700	μ = 25, R_{g1} = 4·7 KΩ
		FM Amplifier			12·6	12·6	0	0·66	0·28	0·75	2000	R_{g1} = 33 KΩ
12ED5	5	Class A Amplifier	12·6	0·45	110	110	−4·0	32	4·0	0·014	8100	R_L = 4·5 KΩ, W_o = 1·1 watts
					125	125	−4·5	37	7·0	0·014	8500	R_L = 4·5 KΩ, W_o = 1·5 watts
12EF6	5	Vertical Defl. Amplifier	12·6	0·45	*See* 6EF6 Characteristics							
12EG6	7	Mixer Oscillator	12·6	0·15	12·6	12·6		0·04	0·24	0·15	800	R_{g1} = 2·2 mΩ
12EH5	5	Class A Amplifier	12·6	0·6	*See* 6EH5 Characteristics							
12EK6	5	FM Amplifier	12·6	0·19	12·6	12·6		4·0	1·7	0·05	4200	R_{g1} = 2·2 MΩ
12EL6	2, 2, 3	Det. Amplifier	12·6	0·15	12·6			0·75		0·045	1200	μ = 55, R_{g1} = 1 MΩ

*See quoted value of R_k



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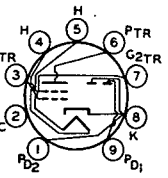

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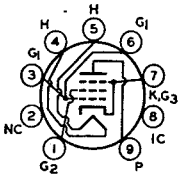

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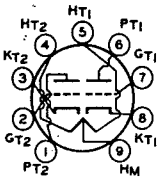

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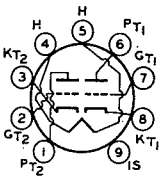

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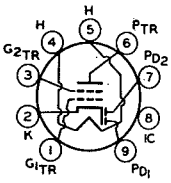

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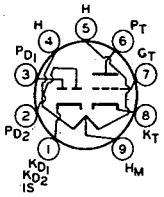

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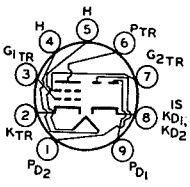

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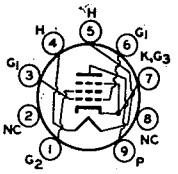

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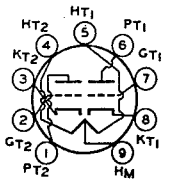

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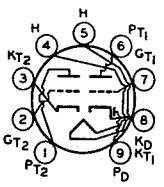

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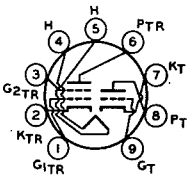

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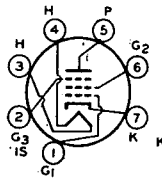

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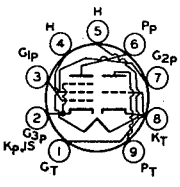

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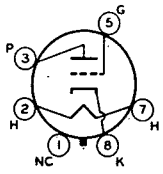

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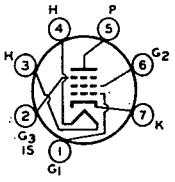

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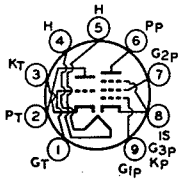

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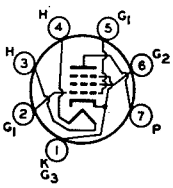

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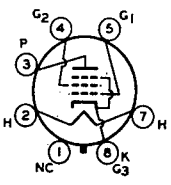

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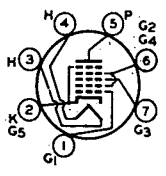

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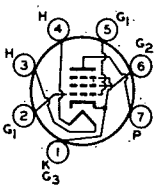

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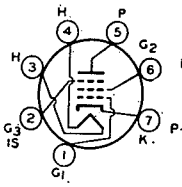

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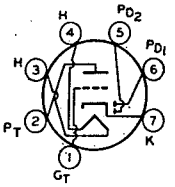
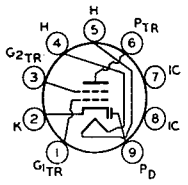


12EL6

For 12DQ6A, see previous page

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 MΩ	g_m μmhos	
12EM6	2, 5	Det. Power Amplifier	12·6	0·5	12·6	12·6	—	6·0	1·0	0·004	5000	R_L = 3·5 KΩ, R_{g1} = 15 MΩ W_o = 0·01 watts
12EN6	5	Vert. Defl. Amplifier	12·6	0·6	Max. Peak Pos. Pulse Plate Voltage = 1200 volts Max. Plate Dissipation = 7·0 watts Max. DC I_k = 50 ma							
		Class A Amplifier			200	110	−9·5	50	2·2	0·028	8000	
12EZ6	5	Class A Amplifier	12·6	0·175	12·6	12·6	−0·7	1·9	0·7	0·4	2700	R_{g1} = 2·2 MΩ
12F5GT	3	Class A Amplifier	12·6	0·15	*See* 6SF5 Characteristics							
12F8	2, 2, 5	Class A Amplifier	12·6	0·15	12·6	12·6	0	1·0	0·38	0·33	1000	
12FA6	7	Converter	12·6	0·15	12·6	12·6	−0·5	0·45	1·0	0·8		g_c = 320 μmhos
12FK6	2, 2, 3	Det. Amplifier	12·6	0·15	12·6	—	—	1·3	—	0·0062	1200	μ = 7·4, R_{g1} = 2·2 MΩ
12FM6	2, 2, 3	Det. Amplifier	12·6	0·15	12·6	—	—	1·0	—	0·0077	1300	μ = 10, R_{g1} = 2·2 MΩ
12FT6	2, 2, 3	Det. Amplifier	12·6	0·15	12·6	—	—	0·6	—	0·013	1000	μ = 14, R_{g1} = 2·2 MΩ
12G4	3	Amplifier	12·6	0·15	*See* 6SN7GT Characteristics (One Section)							
12G8	3, 3	AF Driver	12·6	0·4	12·6	—	0	7·2	—	0·0085	2600	R_L = 2·0 KΩ, W_o = 0·025 watts μ = 22
12H4	3	Amplifier	6·3	0·3	90	—	0	10	—	—	0·003	μ = 20
			12·6	0·15	250	—	−8·0	9·0	—	—	0·0026	μ = 20
12H6	2, 2	F.W. Rectifier	12·6	0·15	*See* 6H6 Characteristics							
12J5 **12J5GT**	3	Class A Amplifier	12·6	0·15	*See* 6J5 Characteristics							
12J6G **12J6GT**	5	Det. Amplifier	12·6	0·15	*See* 6J7 Characteristics							
12J8	2, 2, 4	Det. Amplifier	12·6	0·35	12·6	12·6		12	1·5	0·006	5500	R_L = 2·7 KΩ, R_{g1} = 2·2 MΩ W_o = 0·02 watts
12K5	4	Class A Amplifier	12·6	0·4	12·6	−2·0	12·6	40	G_1 85	800 ohms	—	I_{c1} = 75 ma
12K7G **12K7GT**	5	Class A Amplifier	12·6	0·15	*See* 6K7 Characteristics							
12K8 **12K8GT**	3, 6	Converter	12·6	0·15	*See* 6K8 Characteristics							
12L6GT	5	Class A Amplifier	12·6	0·6	110	110	−7·5	49	4·0	0·013	8000	R_L = 2·0 KΩ, W_o = 2·1 watts
					200	125	*	46	2·2	0·028	8000	R_L = 4·0 KΩ, W_o = 3·8 watts R_k = 180 Ω
12L8GT	5, 5	Power Amplifier	12·6	0·15	180	180	−9·0	13·0	2·8	0·16	2150	R_L = 10·0 KΩ, W_o = 1·0 watts
12Q7G	2, 2, 3	Det. Amplifier	12·6	0·15	*See* 6Q7G Characteristics							
12Q7GT	2, 2, 3	Amplifier	12·6	0·15	*See* 6Q7GT Characteristics							
12R5	5	Vertical Deflection Amplifier	12·6	0·6	Max. DC Plate Voltage = 150 volts Max. DC Cathode Curr. = 155 ma Max. Screen Voltage = 150 volts Max. Plate Dissip. = 4·5 watts Abs. Max. Peak Pos. Pulse Voltage = 1500 volts							
12S7	2, 5	Det. Amplifier	12·6	0·1	200	85	−2·0	5·0	1·5	1·0	2000	

*See quoted value of R_k



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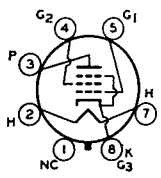

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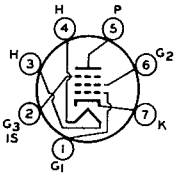

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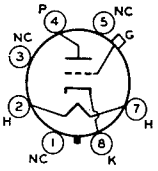

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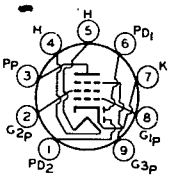

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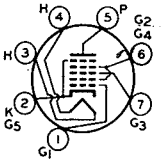

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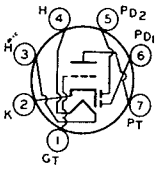

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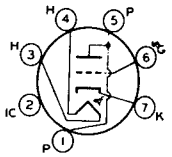

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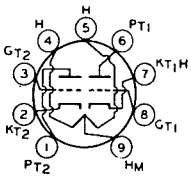

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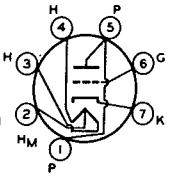

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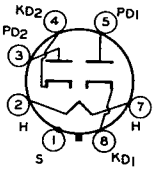

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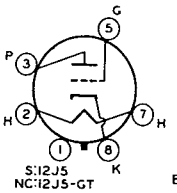

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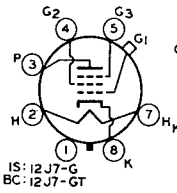

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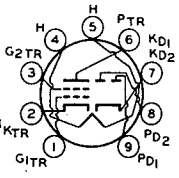

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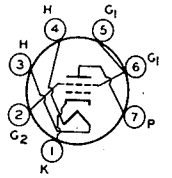

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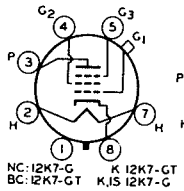

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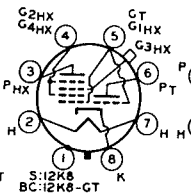

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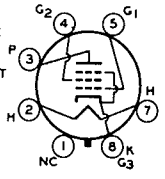

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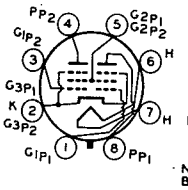

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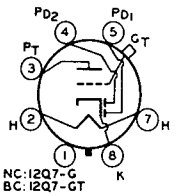
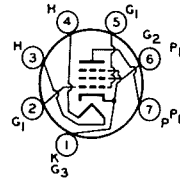
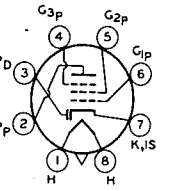


12Q7-G
12Q7-GT



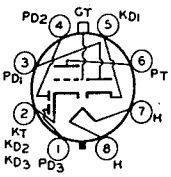
12R5



12S7

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 MΩ	g_m μmhos	
12S8GT	2, 2, 2, 3	Class A Amplifier	12·6	0·15	100	—	−1·0	0·4	—	0·11	900	μ = 100
					250	—	−2·0	0·9	—	0·91	1100	μ = 100
12SA7 12SA7G 12SA7GT	7	Converter	12·6	0·15	*See* 6SA7 Characteristics							
12SC7	3, 3	Class A Amplifier	12·6	0·15	*See* 6SC7 Characteristics							
12SF5 12SF5GT	3	Class A Amplifier	12·6	0·15	*See* 6SF5 Characteristics							
12SG7	5	Class A Amplifier	12·6	0·15	*See* 6SG7 Characteristics							
12SH7	5	Class A Amplifier	12·6	0·15	*See* 6SH7 Characteristics							
12SJ7 12SJ7GT	5	Class A Amplifier	12·6	0·15	*See* 6SJ7 Characteristics							
12SK7 12SK7GT	5	Class A Amplifier	12·6	0·15	*See* 6SK7 Characteristics							
12SL7GT	3, 3	Class A Amplifier	12·6	0·15	*See* 6SL7GT Characteristics							
12SN7GT 12SN7GTA	3, 3	Class A Amplifier	12·6	0·3	*See* 6J5 Characteristics							
12SQ7 12SQ7GT	2, 2, 3	Class A Amplifier	12·6	0·15	*See* 6SQ7 Characteristics							
12SR7 12SR7GT	2, 2, 3	Class A Amplifier	12·6	0·15	*See* 6SR7 Characteristics							
12SW7	2, 2, 3	Det. Amplifier	12·6	0·15	250	—	−9·0	9·5	—	0·0085	1900	μ = 16
12SX7GT	3, 3	Class A Amplifier	12·6	0·3	250	—	−8·0	9·0	—	0·0077	2600	μ = 20
					26·5	—	●	1·8	—	0·0115	1800	μ = 21 R_g = 0·5 MΩ
12SY7 12SY7GT	7	Converter	12·6	0·15	250	100	−2·0	3·5	8·5	1·0	g_c = 450 μmhos	
12U7	3, 3	Class A Amplifier	12·6	0·15	12·6	—	0	1·0	—	0·0125	1600	μ = 20
12V6GT	5	Class A Amplifier	12·6	0·225	*See* 6V6 Characteristics							
12W6GT	5	Vert. Defl. Amp.	12·6	0·6	*See* 6W6GT Characteristics							
12X3	2R	Rectifier	12·6	0·65	Max. PIV = 7000 volts Effective Plate Voltage = 2500 v Max. DC Output Current = 10 ma Max. Peak Plate Current = 200 ma							
12X4	2R, 2R	Full-wave Rectifier	12·6	0·225	*See* 6X4 Characteristics							
12Z3	2R	Half-wave Rectifier	12·6	0·3	Max. AC Plate Voltage = 235 volts (rms) Max. DC Output = 55 ma							
13DE7	3, 3	Vert. Osc. Vert. Defl. Amp.	13·0	0·45	*See* 6DE7 Characteristics							
13DR7	3, 3	Vert. Amp. Vert. Osc.	13·0	0·45	*See* 6DR7 Characteristics							
14A4	3	Class A Amplifier	12·6	0·15	*See* 6J5 Characteristics							
14A5	5	Class A Amplifier	12·6	0·15	250	250	−12·5	30	3·5	0·07	3000	R_L = 7·5 KΩ, W_o = 2·8 watts

*See quoted value of R_k ● Self excited



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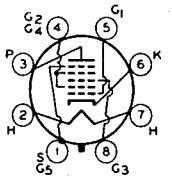
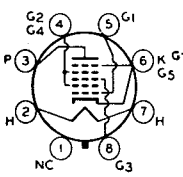
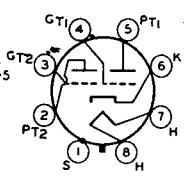


12SA7



12SA7-G
12SA7-GT



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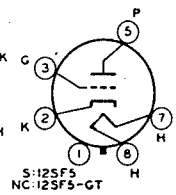
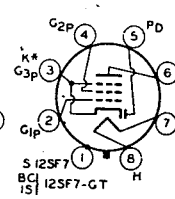
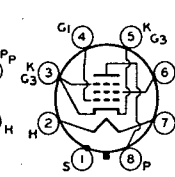


12SF5
12SF5-GT

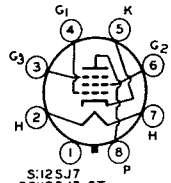


12SF7
12SF7-GT

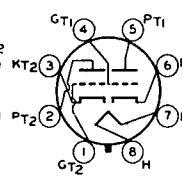
* 12SF7-GT has an Internal Shield (IS).



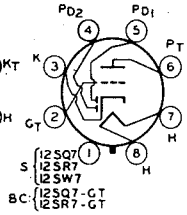
12SG7
12SH7



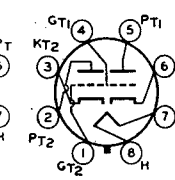
12SJ7,-GT
12SK7
12SK7-GT



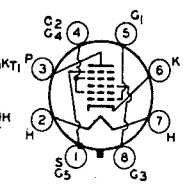
12SL7-GT
12SN7-GT
12SN7-GTA



12SQ7,-GT
12SR7,-GT
12SW7



12SX7-GT



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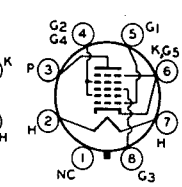

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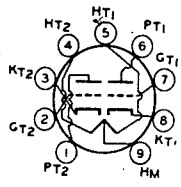

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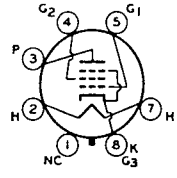
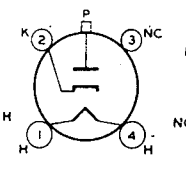
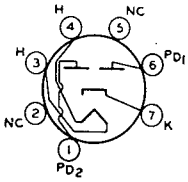


12V6-GT
12W6-GT



12X3



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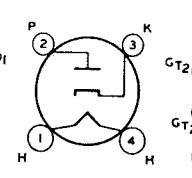

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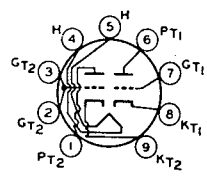
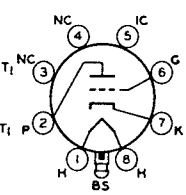
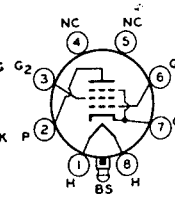


13DE7
13DR7



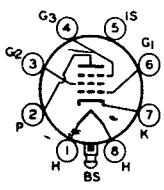
14A4



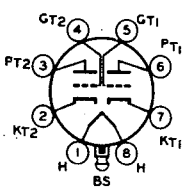
14A5

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 MΩ	g_m μmhos	
14A7	5	Class A Amplifier	12·6	0·15	*See* 6SK7 Characteristics							
14A7/ 12B7	5	Class A Amplifier	12·6	0·15	250	100	−3·0	9·2	2·6	0·8	2000	
					100	100	−1·0	13·0	4·0	0·12	2350	
14AF7	3, 3	Class A Amplifier	12·6	0·15	*See* 7AF7 Characteristics							
14B6	2, 2, 3	Class A Amplifier	12·6	0·15	*See* 6SQ7 Characteristics							
14B8	7	Converter	12·6	0·15	*See* 6A8 Characteristics							
14C5	5	Class A Amplifier	12·6	0·225	180	180	−8·5	29	3·0	0·05	3700	
					315	225	−13	34	2·2	0·077	3750	
14C7	5	Class A Amplifier	12·6	0·15	*See* 6SJ7 Characteristics							
14E6	2, 2, 3	Class A Amplifier	12·6	0·15	*See* 6SR7 Characteristics							
14E7	2, 2, 5	Class A Amplifier	12·6	0·15	100	100	*	10·0	2·7	0·15	1600	R_k = 80 Ω
					250	100	*	7·5	1·6	0·7	1300	R_k = 330 Ω
14F7	3, 3	Class A Amplifier	12·6	0·15	*See* 6SL7GT Characteristics							
14F8	3, 3	Class A Amplifier	12·6	0·15	250	—	*	6·0	—	—	3300	μ = 48, R_k = 500 Ω
14G6	2, 2, 3	Det. Amplifier	14·0	0·1	100	—	−1·0	0·8	—	0·05	1400	μ = 70
14H7	5	Class A Amplifier	12·6	0·15	*See* 7H7 Characteristics							
14J7	3, 7	Converter	12·6	0·15	*See* 7J7 Characteristics							
14K7	3, 6	Converter	14·0	0·1	200	85	−2·0	3·0	3·0	>1·0	g_c = 750 μmhos	
14L7	2, 2, 3	Det. Amplifier	14·0	0·1	170	—	−1·55	1·5	—	0·042	1650	μ = 70
14N7	3, 3	Class A Amplifier	12·6	0·3	*See* 6J5 Characteristics							
14Q7	7	Converter	12·6	0·15	*See* 6SA7 Characteristics							
14R7	2, 2, 5	Class A Amplifier	12·6	0·15	*See* 7R7 Characteristics							
14S7	3, 7	Mixer Oscillator	12·6	0·15	*See* 7S7 Characteristics							
14W7	5	Class A Amplifier	12·6	0·225	*See* 7V7 Characteristics							
14X7	2, 2, 3	Det. Amplifier	12·6	0·15	*See* 7X7 Characteristics							
14Y4	2R, 2R	Full-wave Rectifier	12·6	0·3	Max. AC Voltage/Plate = 325 volts (rms) Max. Peak Plate Current = 210 ma Output Current = 70 ma							
14Y7	3, 6	Triode Oscillator	14·0	0·1	100	—	0	10	—	—	2800	μ = 22
		Hex. Amplifier			100	43	−1·0	1·2	1·46	1·0	—	g_c = 530 μmhos
14Z3	2R	Rectifier	12·6	0·3	Max. AC Voltage/Plate = 250 volts (rms) Max. Output Current = 60 ma							
15	5	Class A Amplifier	2·0	0·22	67·5	67·5	−1·5	1·85	0·3	0·63	710	
					135	67·5	−1·5	1·85	0·3	0·8	750	
15A6	5	Video Amplifier	15·0	0·3	180	180	−2·9	36	4·6	0·1	10,000	
17AV5GA	5	Class A Amplifier	16·8	0·45	250	150	−22·5	55	2·1	0·02	5500	
17AX4GT	2R	TV Damper Diode	16·8	0·45	Max. PIV = 4400 volts Max. DC Plate Curr. = 125 ma Max. Peak Plate Curr. = 750 ma							
17BQ6GTB	5	Horiz. Defl. Amplifier	16·8	0·45	Max. DC Screen Voltage = 200 volts Max. DC Cathode Curr. = 112·5 ma Max. Peak Pos.-Pulse Plate Voltage = 6000 volts (Abs). Max. Plate Dissipation = 11 watts							
17C5	5	Power Amplifier	16·8	0·45	*See* 12C5 Characteristics							

*See quoted value of R_k



14A7
14A7/12B7



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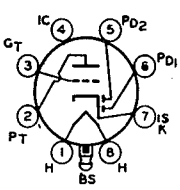

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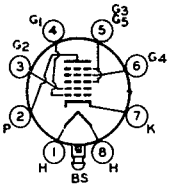

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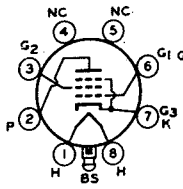

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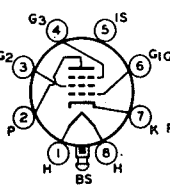

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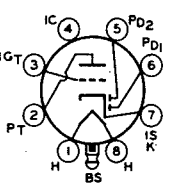
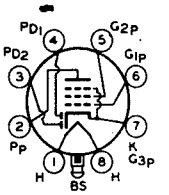


14E6



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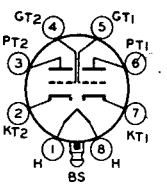

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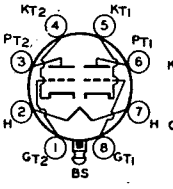

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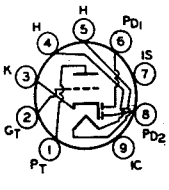
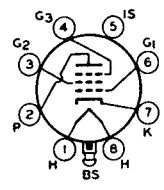
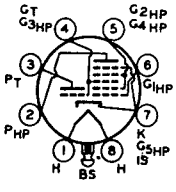


14G6



14H7



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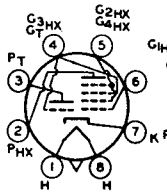

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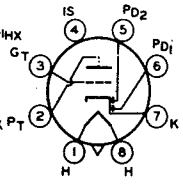

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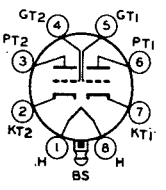

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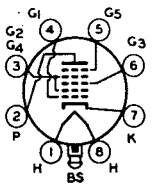

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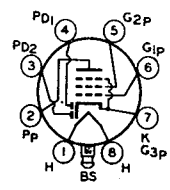

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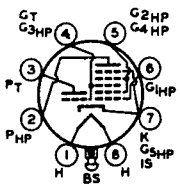

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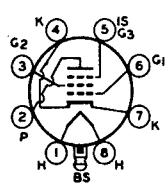

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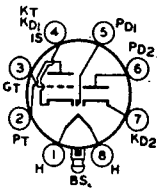

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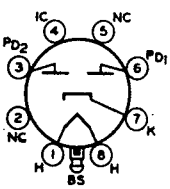

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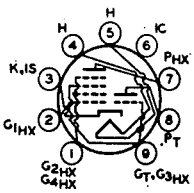

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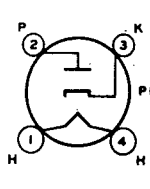

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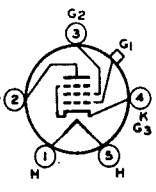

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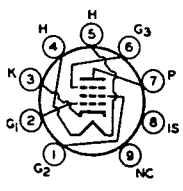

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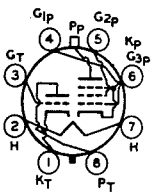

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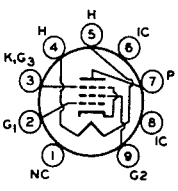

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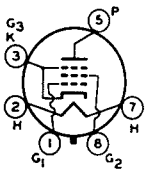

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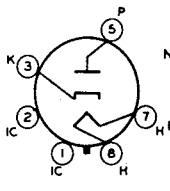

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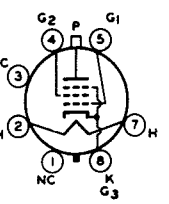

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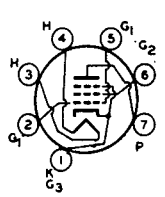
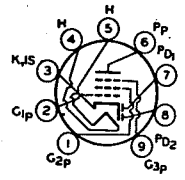


17C5

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 MΩ	g_m μmhos	
17C8	2, 2, 5	Det. Amplifier	17·0	0·1	200	200	−2·0	5·0	1·75	1·0	2200	
17CA5	5	AF Amplifier	16·8	0·45	125	125	−4·5	36	4·0	0·015	9200	R_L = 4·5 KΩ
17CU5	5	Power Amplifier	16·8	0·45	120	110	−8·0	49	4·0	0·01	7500	W_o = 2·3 watts
17D4	2	TV Damper Diode	16·8	0·45	Max. PIV = 4400 volts Max. DC Plate Current = 155 ma Max. Peak Plate Curr. = 900 ma Max. Plate Dissip. = 5·5 w							
17DE4	2	TV Damper Diode	17·0	0·6	*See* 6DE4 Characteristics							
17DQ6 17DQ6A	5	Horizontal Deflection Amplifier	16·8	0·45	Max. DC Plate Voltage = 700 volts Max. Peak Pos.-Pulse Plate Voltage = 6000 volts (Abs.) Max. DC Cath. Curr. = 140 ma Max. Plate Dissip. = 15 watts							
17H3	2	Damper Diode	17·5	0·3	Max. PIV = 2000 volts Max. Peak Plate Current = 450 ma Max. Output Current = 75 ma							
17L6GT	5	Class A Amplifier	16·8	0·45	200	125	—	46	2·2	0·03	8000	R_L = 4·0 KΩ, W_o = 3·8 watts
17R5	5	Power Amplifier	16·8	0·45	110	110	−8·5	40	3·3	0·013	7000	
17Z3	2R	Half-wave Rectifier	17·0	0·3	Max. PIV = 4500 volts Max. DC Output Current = 150 ma							
18A5	5	Power Amplifier	18·5	0·3	200	125	−17·0	40	1·1	0·027	4800	
18DZ8	3, 5	Class A Amplifier	18·0	0·3	*See* 6DZ8 Characteristics							
18FW6	5	Class A Amplifier	18·0	0·10	100	100	*	11·0	4·4	0·25	4400	R_k = 68 Ω
18FX6	7	Converter	18·0	0·10	100	100	−1·5	2·3	6·2	0·4	480	
18FY6	2, 2, 3	Class A Amplifier	18·0	0·10	100	—	−1·0	0·6	—	0·077	1300	μ = 100
19	3, 3	Class A Amplifier	2·0	0·26	*See* 1J6G Characteristics							
19AQ5	5	Power Amp.	18·9	0·15	*See* 6AQ5 Characteristics							
19AU4 19AU4GT 19AU4GTA	5	TV Damper Diode	18·9	0·6	*See* 6AU4GT Characteristics							
19BG6G 19BG6GA	5	Horizontal Deflection Amplifier	18·9	0·3	Max. DC Plate Voltage = 700 volts Max. Peak Pos.-Pulse Plate Voltage = 6600 volts (Abs.) Max. DC Plate Current = 110 ma Max. Plate Dissipation = 20 w							
19C8	2, 2, 2, 3	Det. Amplifier	18·9	0·15	100	—	−1·0	0·5	—	0·08	1250	μ = 100
19D8	3, 7	Converter	19·0	0·1	200	119	−2·6	3·7	8·1	1·0	g_c = 775, R_k = 150 Ω	
19DE7	3, 3	Tri. VHF Amp. Pent. Amp.	19·4	0·3	*See* 6DE7 Characteristics							
19J6	3, 3	Class A Amplifier	18·9	0·15	100	—	*	8·5	—	0·007	5300	μ = 38, R_k = 50 Ω
19T8	2, 2, 2, 3	Class A Amplifier	18·9	0·15	*See* 6T8 Characteristics							
19V8	2, 2, 2, 3	Det. Amplifier	18·9	0·15	100	—	−1·0	0·8	—	0·054	1300	μ = 70
					250	—	−3·0	1·0	—	0·058	1200	μ = 70
19X3	2R	Half-wave Rectifier	19·0	0·3	Max. PIV = 4000 volts Max. DC Output Curr. = 180 ma							
19X8	3, 5	Det. Amplifier	18·9	0·15	*See* 6X8 Characteristics							
19Y3	2R	Half-wave Rectifier	19·0	0·3	Max. PIV = 700 volts Max. DC Output Current = 180 ma							
20	3	Class A Amplifier	3·3	0·132	90	—	−16·5	3·0	—	0·009	—	μ = 3·5
					135	—	−22·5	6·5	—	0·006	—	
21A6	5	Class A Amplifier	21·5	0·3	180	180	−23	45	3·0		6500	
21A7	6, 3	Mixer	21·0	0·16	*See* 7D7 Characteristics							

*See quoted value of R_k



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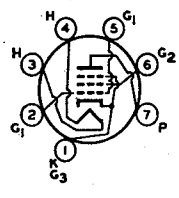
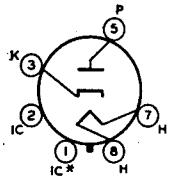


17CA5
17CU5



17D4
17DE4

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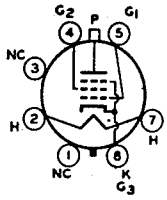

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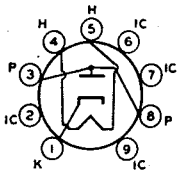
17DQ6-A



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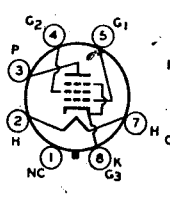

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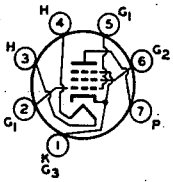
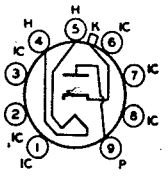


17R5



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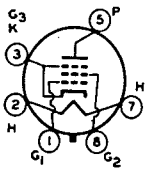

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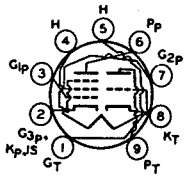

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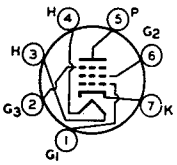

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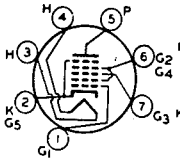

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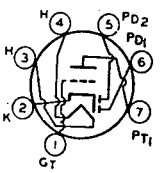

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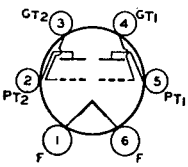

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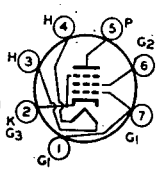

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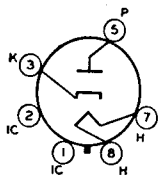

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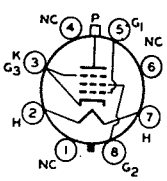
19AU4-GTA



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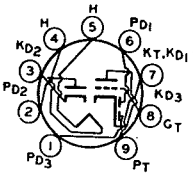
19BG6-GA



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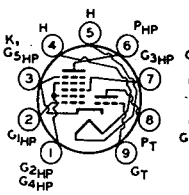

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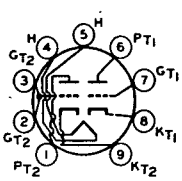

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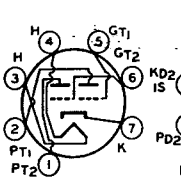

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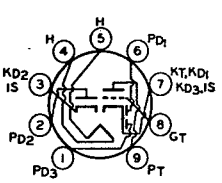

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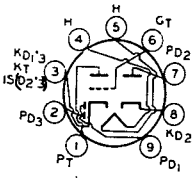

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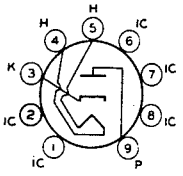

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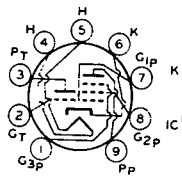

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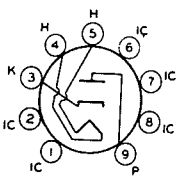

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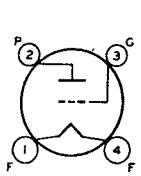

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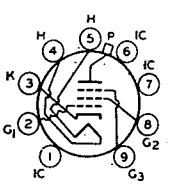

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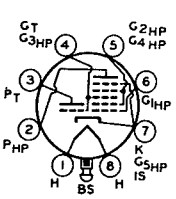
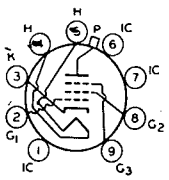


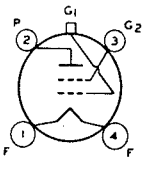
21A7

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 MΩ	g_m μmhos	
21B6	5	Class A Amplifier	21·5	0·3	180	180	−23	45	3·0		6500	
22	4	Class A Amplifier	3·3	0·132	135	45	−1·5	1·7	0·6■	0·725	375	
					135	67·5	−1·5	3·7	1·3■	0·325	500	
24A	4	Class A Amplifier	2·5	1·75	180	90	−3·0	4·0	1·7■	0·4	1000	
					250	90	−3·0	4·0	1·7■	0·6	1050	
25A6 25A6GT	5	Class A Amplifier	25·0	0·3	95	95	−15·0	20	4·0	0·045	2000	R_L = 4·5 KΩ, W_o = 0·9 watts
					160	120	−18·0	33	6·5	0·042	2375	R_L = 5·0 KΩ, W_o = 2·2 watts
25A7G	2R,	Pent. Amplifier	25·0	0·3	100	100	−15·0	20·5	4·0	0·05	1800	R_L = 4·5 KΩ, W_o = 0·77 watts
25A7GT	5	Half-wave Rectifier			Max. DC Output Current = 75 ma Max. Peak Plate Current = 450 ma Max. PIV = 350 volts							
25AC5G 25AC5GT	3	Class B Amplifier	25·0	0·3	180	—	0	4·0▼	—	—	—	R_L = 4·8 KΩ, W_o = 6·0 watts
25AV5GA	5	Class A Amplifier	25·0	0·3	250	150	−22·5	55	2·1	0·0145	5900	
25AV5GT		Horiz. Defl. Amplifier	25·0	0·3	Max. Peak Pos. Pulse Plate Voltage = 5,500 volts Max. DC Cathode Current = 110 ma Max. Plate Dissip. = 11 watts							
25AX4GT	2R	TV Damper Diode	25·0	0·3	Max. PIV = 4400 volts Max. Peak Plate Current = 750 ma Max. DC Plate Current = 125 ma							
25B5	3, 3	Class A Amplifier	25·0	0·3	*See* 25N6G Characteristics							
25B6G	5	Class A Amplifier	25·0	0·3	105	105	−16·0	48	2·0	0·0155	4800	R_L = 1·7 KΩ, W_o = 2·4 watts
					200	135	−23·0	62	1·8	0·018	5000	R_L = 2·5 KΩ, W_o = 7·1 watts
25B8GT	5, 3	Tri. Amplifier	25·0	0·15	100	—	−1·0	0·6	—	0·075	1500	μ = 12
		Pent. Amplifier			100	100	−3·0	7·6	2·0	0·185	2000	
25BK5	5	Power Amplifier	25·0	0·3	250	250	−5·0	35	3·5	0·1	8500	R_L = 6·5 KΩ, W_o = 3·5 watts
25BQ6GA 25BQ6GT	5	Horiz. Defl. Amplifier	25·0	0·3	*See* 6BQ6GA Characteristics							
25BQ6-GTB/25CU6	5	Horiz. Defl. Amplifier	25·0	0·3	*See* 6BQ6GTB/6CU6 Characteristics							
25C5	5	Power Amplifier	25·0	0·3	110	110	−7·5	49	4·0	0·01	7500	R_L = 2·5 KΩ, W_o = 1·9 watts
25C6G 25C6GA	5	Class A Amplifier	25·0	0·3	*See* 6Y6G Characteristics							
25CA5	5	Class A Amplifier	25·0	0·3	*See* 6CA5 Characteristics							
25CD6G 25CD6GA 25CD6GB	5	Horiz. Defl. Amplifier	25·0	0·6	*See* 6CD6GA Characteristics							
25CR5	5	Horiz. Defl. Amplifier	25·0	0·3	*See* 6CR5 Characteristics							

■ Maximum ▼ Two valves



21B6



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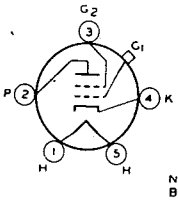
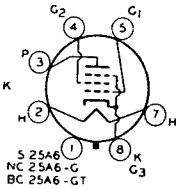
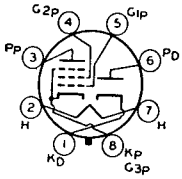


24-A



25A6
25A6-G
25A6-GT



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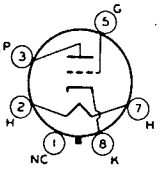
25A7-GT



25AC5-G
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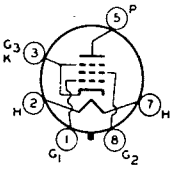
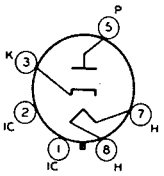


25AU5-GT
25AV5-GA
25AV5-GT



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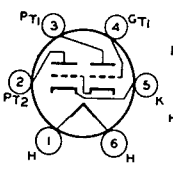
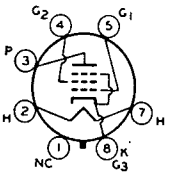
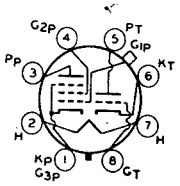


25B5



25B6-G



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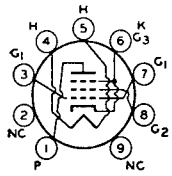

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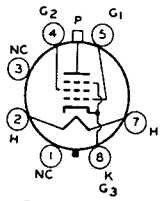
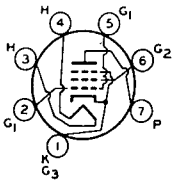
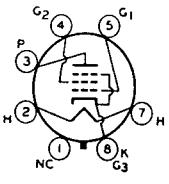


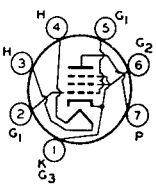
25BQ6-GA
25BQ6-GT
25BQ6-GTB/
25CU6



25C5



25C6-G
25C6-GA



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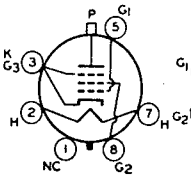
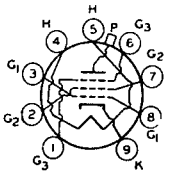


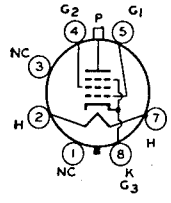
25CD6-G
25CD6-GA
25CD6-GB



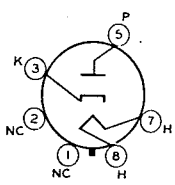
25CR5

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 MΩ	g_m μmhos	
25CU6	5	Horiz. Defl. Amplifier	25·0	0·3	*See* 6CU6 Characteristics							
25D4	2	TV Damper Diode	25·0	0·3	*See* 6DA4 Characteristics							
25DN6	5	Amplifier	25·0	0·6	*See* 6DN6 Characteristics							
25DQ6	5	Amplifier	25·0	0·3	*See* 6DQ6 Characteristics							
25DQ6A	5	Amplifier	25·0	0·3	*See* 6DQ6A Characteristics							
25DT5	5	Amplifier	25·0	0·3	*See* 6DT5 Characteristics							
25E5	5	Horiz. Defl. Amplifier	25·0	0·3	*See* 6CM5 Characteristics							
25EC6	5	Class A Amplifier	25·0	0·6	135	135	−22·5	70	4·5	0·0047	7500	
25EH5	5	Class A Amplifier	25·0	0·3	*See* 6EH5 Characteristics							
25L6 25L6G	5	Amplifier	25·0	0·3	110 200	110 110	−7·5 −8·0	49·0 50·0	4·0 2·0	0·013 0·03	9000 9500	R_L = 2·0 KΩ, W_o = 2·1 watts R_L = 3·0 KΩ, W_o = 4·3 watts
25L6GT	5	Amplifier	25·0	0·3	*See* 50L6GT Characteristics							
25N6G	3, 3	Output Triode	25·0	0·3	180	—	—	46	—	—		R_L = 4·0 KΩ, W_o=3·8 watts
		Tri. Amplifier			100	—	0	5·8	—	—		Peak AF Signal = 29·7 volts
25U4GT	2	Damper Diode	25·0	0·3	Max. PIV = 3850 volts Max. DC Output Current = 125 ma Max. Peak Current = 660 ma							
25W4GT	2R	Half-wave Rectifier	25·0	0·3	Max. AC Plate Voltage = 350 volts (rms) Max. DC Output = 125 ma Max. PIV = 1250 volts Max. Peak Plate Curr. = 600 ma							
25W6GT	5	Power Amplifier	25·0	0·3	110	110	−7·5	50	4·0	0·013	8000	R_L = 2·0 KΩ, W_o = 2·1 watts
25X6GT	2R, 2R	Half-wave Rectifier Doubler	25·0	0·15	Max. AC Voltage/Plate = 125 volts (rms) DC Output Curr. = 60 ma							
25Y4GT	2R	Half-wave Rectifier	25·0	0·15	Max. AC Voltage = 125 volts (rms) DC Output Curr. = 75 ma							
25Y5	2R, 2R	Half-wave Rectifier Doubler	25·0	0·3	Max. AC Voltage/Plate = 235 volts (rms) Max. DC Output/Plate = 75 ma							
25Z4GT	2R	Half-wave Rectifier	25·0	0·3	Max. AC Plate Voltage = 250 volts (rms) Max. DC Output Current = 100 ma (rms)							
25Z5	2R, 2R	Rectifier Doubler	25·0	0·3	*See* 25Z6 Characteristics							
25Z6 25Z6G 25Z6GT	2R,	Voltage Doubler	25·0	0·3	Max. AC Voltage/Plate = 117 volts (rms) Max. DC Output Current = 75 ma Max. Peak Plate Current = 450 ma							
	2R	Half-wave Rectifier			Max. AC Voltage/Plate = 235 volts (rms) Max. DC Output Current = 75 ma							
26	3	Class A Amplifier	1·5	1·05	90 180	— —	−7·0 −14·5	2·9 6·2	— —	0·0089 0·0073	935 1150	μ = 8·3 μ = 8·3
26A6	5	Class A Amplifier	26·5	0·07	250	250	*	10·5	4·0	1·0	4000	R_k = 125 Ω
26A7GT	5, 5	Power Amplifier	26·5	0·6	26·5	26·5	−4·5	20·0	1·9	0·0015	5700	R_L = 1·5 KΩ, W_o = 0·18 watts

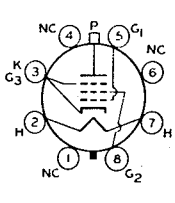
* See quoted value of R_k.



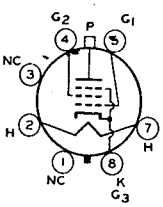
25CU6



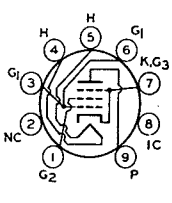
25D4



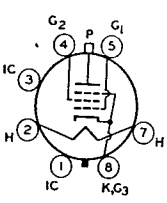
25DN6



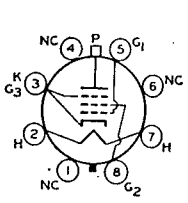
25DQ6
25DQ6-A



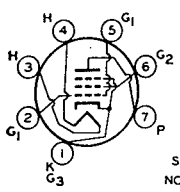
25DT5



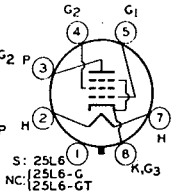
25E5



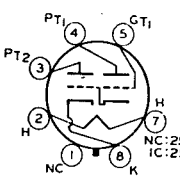
25EC6



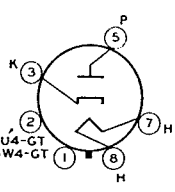
25EH5
25F5



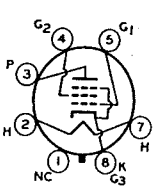
25L6
25L6-G
25L6-GT



25N6-G



25U4-GT
25W4-GT



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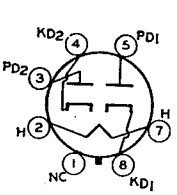
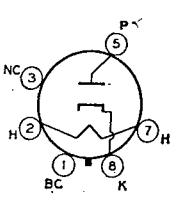


25X6-GT



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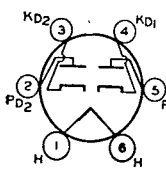

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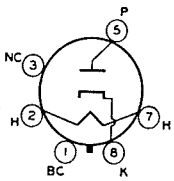

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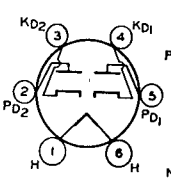

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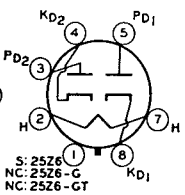
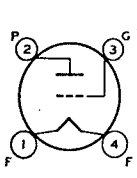


25Z6
25Z6-G
25Z6-GT



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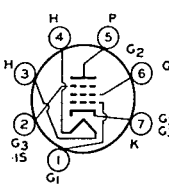
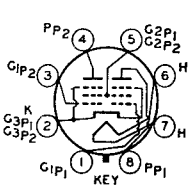


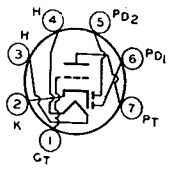
26A6



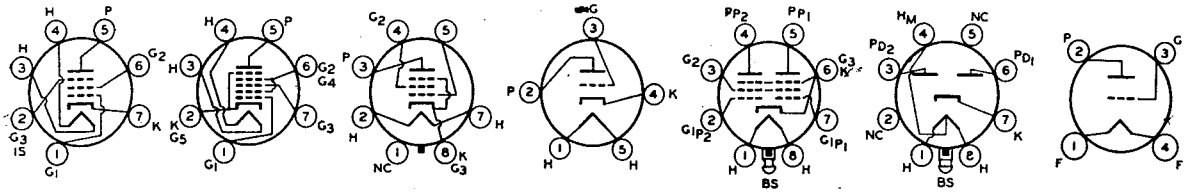
26A7-GT

TYPE	Class	Use	E_f volts	I_f amps	E_b volts	E_{c_2} volts	E_{c_1} volts	I_b ma	I_{c_2} ma	r_p MΩ	g_m μmhos	
26BK6	2, 2, 3	Det. Amplifier	26·5	0·07	100	—	−1·0	0·5	—	0·08	1250	$\mu = 100$
					250	—	−2·0	1·2	—	0·0625	1600	$\mu = 100$
26C6	2, 2, 3	Class A Amplifier	26·5	0·07	26·5	—	—	1·1	—	0·0155	1190	$R_{g1} = 2{\cdot}0$ MΩ $\mu = 17$
					250	—	−9·0	9·5	—	0·008	1900	$\mu = 16$
26CG6	5	Class A Amplifier	26·5	0·07	*See* 6CG6 Characteristics							
26D6	7	Converter Oscillator	26·5	0·07	250	100	−1·5	3·0	7·8	1·0		$g_c = 475$ μmhos
					100	100	0	27·0			7200	$\mu = 22{\cdot}0$
27	3	Class A Amplifier	2·5	1·75	135	—	−9·0	4·5	—	0·009	1000	$\mu = 9{\cdot}0$
					250	—	−21·0	5·2	—	0·0092	975	$\mu = 9{\cdot}0$
28D7	5, 5	Class A Amplifier	28·0	0·4	28	28	−3·5	12·5	1·0	0·003	3000	$R_L = 4{\cdot}0$ KΩ, $W_o = 0{\cdot}1$ watts
28Z5	2R, 2R	Full-wave Rectifier	28·0	0·24	Max. AC Voltage/Plate = 325 volts (rms) Max. DC Output Current = 100 ma							
30	3	Class A Amplifier	2·0	0·06	*See* 1H4G Characteristics							
30A5	5	Class A Amplifier	30	0·15	100	100	−6·7	43	3·0	0·022	9200	$R_L = 2{\cdot}4$ KΩ, $W_o = 1{\cdot}9$ watts
31	3	Class A Amplifier	2·0	0·13	135	—	−22·5	8·0	—	0·0041	925	$R_L = 7$ KΩ, $W_o = 0{\cdot}185$ w
					180	—	−30·0	12·3	—	0·0036	1050	$R_L = 5{\cdot}7$ KΩ, $W_o = 0{\cdot}375$ watts
31A3	2R	Rectifier	31·0	0·1	Max. Plate Voltage = 250 volts (rms) Max. DC Output Current = 100 ma							
32	4	Class A Amplifier	2·0	0·06	135	67·5	−3·0	1·7	0·4	0·95	640	
					180	67·5	−3·0	1·7	0·4	1·2	650	
32ET5	5	Power Amplifier	32	0·1	110	110	−7·5	30	2·8	0·0215	5500	$R_L = 2{\cdot}8$ KΩ, $W_o = 1{\cdot}2$ watts
32L7GT	2R, 5	Class A Amplifier	32·5	0·3	90	90	−5·0	38·0	3·0	0·015	6000	$R_L = 2{\cdot}6$ KΩ, $W_o = 0{\cdot}8$ watts
					90	90	−7·0	27·0	2·0	0·017	4800	$R_L = 2{\cdot}6$ KΩ, $W_o = 1{\cdot}0$ watts
		Half-wave Rectifier			Max. AC Plate Voltage = 125 volts (rms) Max. DC Output Curr. = 60 ma							
33	5	Class A Amplifier	2·0	0·26	180	180	−18·0	22·0	5·0	0·055	1700	$R_L = 6{\cdot}0$ KΩ, $W_o = 1{\cdot}5$ watts
34	5	Class A Amplifier	2·0	0·06	135	67·5	−3·0 min.	2·8	1·0	0·6	600	
					180	67·5	−3·0 min.	2·8	1·0	1·0	620	
35 **35/51**	4	Class A Amplifier	2·5	1·75	250	90	−3·0	6·5	2·5	0·4	1050	
35A5 **35A5LT**	5	Class A Amplifier	35·0	0·15	*See* 35L6GT Characteristics							
35B5	5	Class A Amplifier	35·0	0·15	*See* 35C5 Characteristics							
35C3	2R	Half-wave Rectifier	35·0	0·15	Max. AC Plate Voltage = 117 volts (rms) Max. DC Output Current = 100 ma							
35C5	5	Class A Amplifier	35·0	0·15	110	110	−7·5	40·0	3·0	0·013	5800	$R_L = 2{\cdot}5$ KΩ, $W_o = 1{\cdot}5$ watts

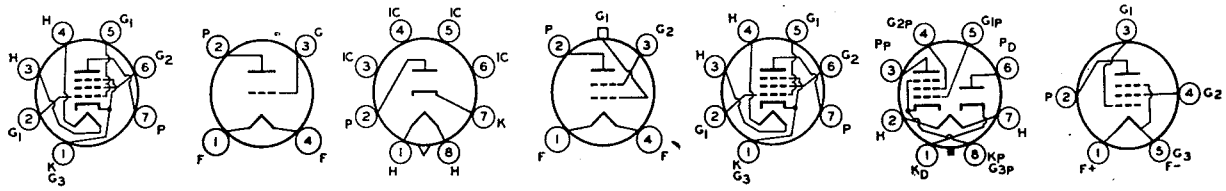
*See quoted value of R_k



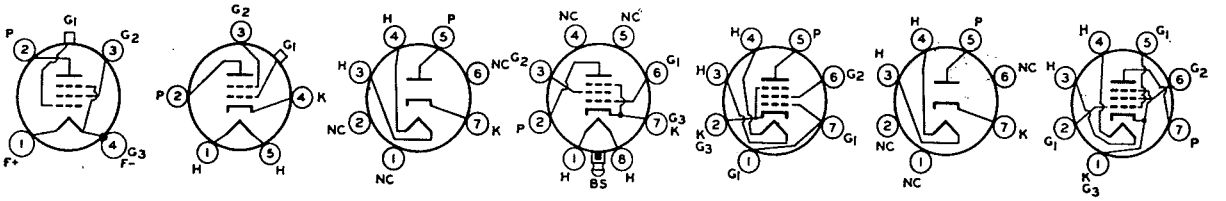
26BK6
26C6



26CG6 26D6 26E6-G 27 28D7 28Z5 30



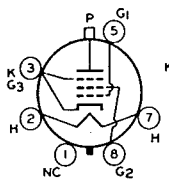
30A5 31 31A3 32 32ET5 32L7-GT 33



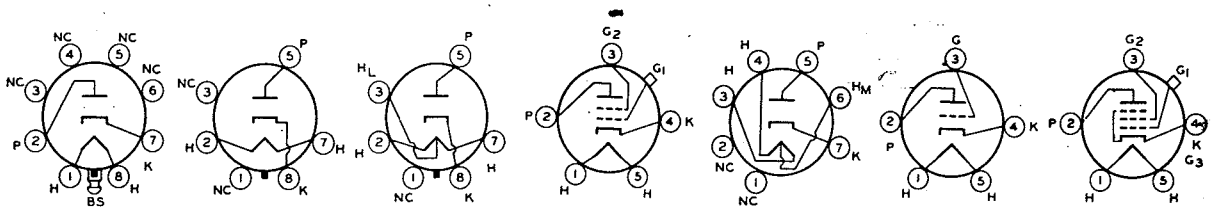
34 35 35/51 35A3 35A5 35A5-LT 35B5 35C3 35C5

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 MΩ	g_m μmhos	
35CD6GA	5	Defl. Amplifier	35·0	0·45	*See* 6CD6GA Characteristics							
35D5	5	Class A Amplifier	35·0	0·15	110	110	−6·5	34·5	2·5	0·018	8000	R_L = 2·5 KΩ, W_o = 1·7 watts
					170	170	−10·5	58	3·0	0·02	9500	R_L = 2·5 KΩ, W_o = 4·8 watts
35DZ8	3, 5	Class A Amplifier	35·0	0·15	*See* 6DZ8 Characteristics							
35L6G **35L6GT**	5	Class A Amplifier	35·0	0·15	110	110	−7·5	40	3·0	0·014	5800	R_L = 2·5 KΩ, W_o = 1·5 watts
					200	125	*	43	2·0	0·034	6100	R_L = 5·0 KΩ, W_o = 3·0 watts, R_k = 180 Ω
35W4	2R	Half-wave Rectifier	35·0	0·15	Max. PIV = 330 volts Max. DC Output Curr. = 100 ma Max. Peak Plate Current = 600 ma							
35Y4	2R	Half-wave Rectifier	35·0	0·15	*See* 35W4 Characteristics							
35Z3 **35Z3LT**	2R	Half-wave Rectifier	35·0	0·15	*See* 35Z4GT Characteristics							
35Z4GT	2R	Half-wave Rectifier	35·0	0·15	Max. PIV = 700 volts Max. Peak Plate Curr. = 600 ma Max. DC Output Current = 100 ma							
35Z5G **35Z5GT**	2R	Half-wave Rectifier	35·0	0·15	Max. Peak Plate Current = 600 ma Max. DC Output Current = 100 ma Max. PIV = 700 volts							
36 **36A**	4	Class A Amplifier	6·3	0·3	100	55	−1·5	1·8	—	0·55	850	μ = 470
					250	90	−3·0	3·2	1·7‡	0·55	1080	μ = 595
36AM3	2R	Half-wave Rectifier	36·0	0·1	Max. AC Voltage = 117 volts (rms) Max. Output Current = 75 ma							
37, 37A	3	Class A Amplifier	6·3	0·3	250	—	−18·0	7·5	—	0·0084	1100	μ = 9·2
38	5	Class A Amplifier	6·3	0·3	250	250	−25·0	22·0	3·8	0·10	1200	R_L = 10 KΩ, W_o = 2·5 watts
38A3	2R	Half-wave Rectifier	38	0·1	Max. AC Plate Voltage = 250 volts (rms) Max. Output Current = 110 ma Max. PIV = 700 volts							
39 **39/44**	5	Class A Amplifier	6·3	0·3	90	90	−3·0	5·6	1·6	0·4	1000	
					250	90	min.	5·8	1·4	1·0	1050	
40	3	Class A Amplifier	5·0	0·25	135	—	−1·5	0·2	—	0·15	200	μ = 30
					180		−3·0	0·2		0·15	200	μ = 30
40B2		Horiz. Reg.			Avg. Operating Current = 140 ma at 20 volts; 150 ma at 40 volts							
41	5	Class A Amplifier	6·3	0·4	*See* 6K6GT Characteristics							
42	5	Class A Amplifier	6·3	0·7	*See* 6F6G Characteristics							
43	5	Class A Amplifier	25·0	0·3	*See* 25A6 Characteristics							
45	3	Class A Amplifier	2·5	1·5	180	—	−31·5	31·0	—	0·0016	2125	R_L = 2·7 KΩ, W_o = 0·82 watts
					275	—	−56·0	31·0	—	0·0017	2050	R_L = 4·6 KΩ, W_o = 2·0 watts
45A	3	Class A Amplifier	2·5	1·5	325	—	−68	43	—	0·0032		μ = 3·5
45A5	5	Class A Amplifier	45·0	0·1	170	170	−10·4	53	10·0	0·02		R_L=3·0 KΩ, W_o=4·25 watts
					110	110	−6·4	32	6·0	0·018		R_L=3·0 KΩ, W_o=1·7 watts

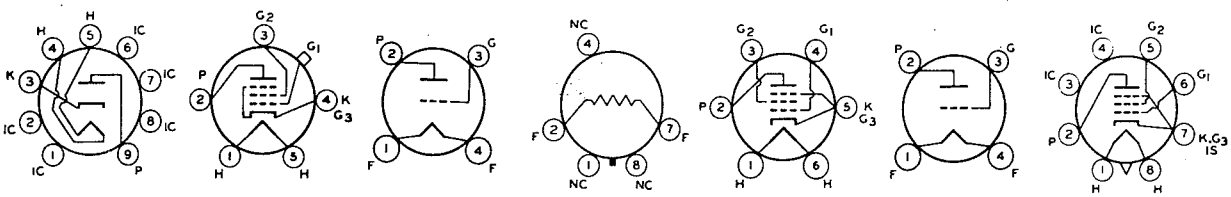
*See quoted value of R_k ‡Maximum



35CD6-GA | 35D5 | 35DZ8 | 35L6-G
35L6-GT | 35W4 | 35Y4



35Z3
35Z3-LT | 35Z4-GT | 35Z5-G
35Z5-GT | 36
36-A | 36AM3 | 37
37-A | 38
38-A



38A3 | 39
39/44
39-A | 40 | 40B2 | 41
42
43 | 45
45-A | 45A5