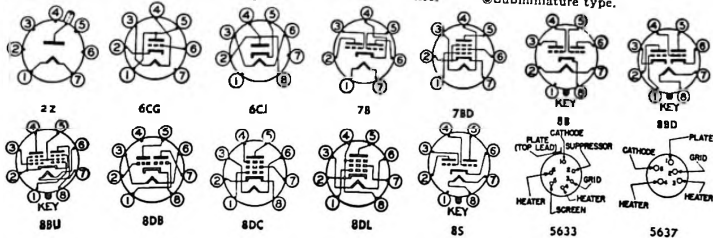


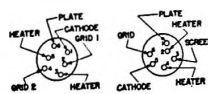
Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
1633	Medium-Mu Twin Triode	8BD	9-11	Htr	25.0	0.15	300	—	—	—	—
1634	High-Mu Twin Triode (Special 12SC7)	8S	8-1	Htr	12.6	0.15	250	—	—	—	—
1635	Twin-Triode Power Amplifier	8B	9-11	Htr	6.3	0.6	300	—	Both sections in push-pull		
1644	Twin-Pentode Power Amplifier (Special 12L8-GT)	8BU	9-11	Htr	12.6	0.15	180	180	5.0▲	6.0▲	0.7▲
1664	Half-Wave High-Vacuum Rectifier	2Z	T-X	Fil	1.4	0.05	—	—	—	—	—
6690	RP Pentode	7BD	5-1	Htr	6.3	0.15	180	140	3.40	2.90	0.01
6691	Sharp-Cutoff RF Pentode (Special 6AK5)	7BD	5-1	Htr	6.3	0.15	180	140	4.0	2.8	0.02♣
5608-A	Medium-Mu Twin-Triode	7B	14-1	Htr	2.5	2.0	350	—	—	—	—
6610	Medium-Mu Triode	6CG	5-2	Htr	6.3	0.15	300	—	—	—	—
5633⊙	Remote-Cutoff RP Pentode	5633	T-X	Htr	6.3	0.15	150	140	4.0▲	2.2▲	0.015▲♣
5634⊙	Remote-Cutoff RP Pentode	5633	T-X	Htr	6.3	0.15	150	140	4.4▲	2.2▲	0.015▲♣
5635⊙	Medium-Mu Twin Triode	8DB	3-1	Htr	6.3	0.45	150	—	2.6	1.6	1.2
5636⊙	Dual-Control Pentode	8DC	3-1	Htr	6.3	0.15	165⊞	155⊞	—	—	—
5637⊙	High-Mu Triode	5637	3-2	Htr	6.3	0.15	150	—	2.6▲	0.7▲	1.4▲
5638⊙	Amplifier Pentode	5638	3-2	Htr	6.3	0.15	150	140	4.0	0.5	0.19
5639⊙	Video Pentode	8DL	3-3	Htr	6.3	0.45	165⊞	155⊞	9.5	7.5	0.10♣
5640⊙	Beam Power Amplifier	5640	3-4	Htr	6.3	0.45	150	140	9.0	7.0	0.18
5641⊙	Half-Wave Rectifier	6CJ	3-3	Htr	6.3	0.45	Tube Voltage Drop: 23 v at 90 ma d-c				
5642⊙	Half-Wave High-Voltage Rectifier	5642	T-X	Fil	1.25	0.2	Tube Voltage Drop: 30 v at 4.0 ma d-c				
5645⊙	Medium-Mu Triode	5645	T-X	Htr	6.3	0.15	150	—	2.2	3.0	1.7

Metal tubes are shown in bold-face type, miniature tubes in italics.

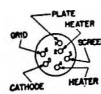
⊙Subminiature type.



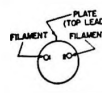
Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milli-amperes	Screen Milli-amperes	R _p Ohms	G _m μmhos	μ Factor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier ♠	250	—	8	11.5	—	6,900	2,600	18	—	—	1633
Class A Amplifier ♠	250	—	2	2.0	—	53,000§	1,325	70	—	—	1634
Class B Amplifier	300	—	0	6.6†	—	—	—	—	12,000‡	10.4	1635
Class A Amplifier ♠	180	180	9	13†	2.8†	160,000	2,150	—	10,000	1.0	1644
Half-Wave Rectifier	Max d-c output current = 1.0 ma; max peak inverse voltage = 4,300 volts; rms supply voltage = 1,500 volts; max peak current = 6 ma										1664
Class A Amplifier	90	90	R _k = 820	3.9	1.4	300,000	2,000	—	—	—	6690
Class A Amplifier	180	120	R _k = 180	7.7	2.4	500,000§	5,100	—	—	—	6691
	120	120	R _k = 180	7.5	2.5	300,000§	5,000	—	—	—	
Class A Amplifier ♠	300	—	6.0	6.0	—	13,000	2,450	32	—	—	5608-A
Class A Amplifier	90	—	1.5	17	—	3,500	4,000	14	—	—	6610
Class A Amplifier	100	100	R _k = 150	7.0	2.8	200,000	3,400	—	—	—	5633⊙
Class A Amplifier	100	100	R _k = 150	6.5	2.5	240,000§	3,500	—	—	—	5634⊙
Class A Amplifier ♠	100	—	R _k = 100⊞	4.8	—	10,000	3,800	38	—	—	5635⊙
Gated Amplifier	100	100	R _k = 150	5.3	3.6	110,000§	3,200	G ₂ tied to cathode E _{cc} = -1.0 volts		—	5636⊙
	100	100	R _k = 150	4.0	5.8	50,000§	1,950			—	
Class A Amplifier	100	—	R _k = 820	1.4	—	26,000	2,700	70	—	—	5637⊙
Class A Amplifier	100	100	R _k = 270	4.8	1.25	150,000	3,300	—	—	—	5638⊙
Class A Amplifier	150	100	R _k = 100	21	4.0	50,000	9,000	—	—	—	5639⊙
Class A Amplifier	100	100	9.0	31†	2.2†	15,000	5,000	—	3,000	1.25	5640⊙
Half-Wave Rectifier	Max d-c output current ⊞ = 50 ma; max peak inverse voltage ⊞ = 930 volts; rms supply voltage per plate = 275 volts; max peak current ⊞ = 300 ma										5641⊙
TV Flyback Rectifiers	Max d-c output current = 0.25 ma; max peak inverse voltage = 10,000 volts; max peak current = 5.0 ma										5642⊙
Class A Amplifier	100	—	R _k = 560	5.0	—	7,400	2,700	20	—	—	5645⊙



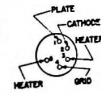
5638



5640



5642



5645

- ♠ Per section.
 § Approximate.
 † Zero Signal.
 ‡ Plate-to-plate.
 ▲ Without external shield.
 ♣ Maximum.
 ⊞ For both sections.
 ⊞ Absolute maximum rating.
 ⊞ The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.