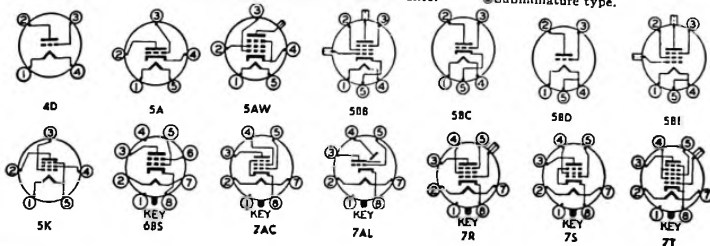


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
183/483	Power Amplifier Triode	4D	14-1	Fil	5.0	1.25	250	—	—	—	
485	Medium-Mu Triode	5A	12-5	Htr	3.0	1.25	180	—	—	—	
502-A	Thyratron	6BS	8-1	Htr	6.3	0.6	Anode voltage drop = 8 volts				
512AX	AF Pentode	512AX	2-2	Fil	0.625	0.02	45	45	2.0▲	1.5▲	
807	Beam Power Amplifier	5AW	16-2	Htr	6.3	0.9	400	—	Triode Connection Two Tubes, Push-pull Pentode Connection Two Tubes, Push-pull		
							600	300			
950	Power Amplifier Pentode	5K	14-1	Fil	2.0 DC	0.12	135	135	—	—	
954	Detector Amplifier Pentode (Acorn)	5BB	4-3	Htr	6.3	0.15	250	100	3.4	3.0	
955	Medium-Mu Triode (Acorn)	5BC	4-1	Htr	6.3	0.15	250	—	1.0▲	0.4▲	
							180	—	—	1.3▲	
956	Remote-Cutoff RF Pentode (Acorn)	5BB	4-3	Htr	6.3	0.15	250	100	3.1	2.5	
957	Medium-Mu Triode (Acorn)	5BD	4-1	Fil	1.25 DC	0.05	135	—	0.25	0.5	
958-A	Medium-Mu Triode (Acorn)	5BD	4-1	Fil	1.25 DC	0.1	135	—	0.45	0.6	
							135	—	—	2.5	
959	Sharp-Cutoff Pentode (Acorn)	5BE	4-3	Fil	1.25 DC	0.05	145	67.5	1.8	2.5	
1612	Pentagrid Mixer (Special 6L7)	7T	8-4	Htr	6.3	0.3	250	100	—	—	
1620	Sharp-Cutoff Pentode (Special 6J7)	7R	8-4	Htr	6.3	0.3	250	100	7.0	12.0	
1621	Power-Amplifier Pentode (Special 6F6)	7S	8-6	Htr	6.3	0.7	300	300	2 tubes, Push-pull		
1622	Beam Power Amplifier (Special 6L6)	7AC	10-1	Htr	6.3	0.9	300	250	2 tubes, Push-pull		
1629	Electron-Ray Indicator	7AL	T-X	Htr	12.6	0.15	250	Max target voltage = 250 Min target voltage = 125			
1631	Beam Power Amplifier	7AC	10-1	Htr	12.6	0.45	360	270	2 tubes, Push-pull		
1632	Beam Power Amplifier	7AC	8-6	Htr	12.6	0.6	117	117	—	—	

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

Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Multi-amperes	Screen Multi-amperes	R _p Ohms	G _m μmhos	# Factor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier	250	—	60	30	—	1,750	1,700	3.0	—	—	183/483
Class A Amplifier	180	—	9.0	5.8	—	8,900	1,400	12.5	—	—	485
Controlled Rectifier	Max d-c cathode current @ = 100 ma; max peak inverse voltage @ = 1,300 volts; max peak cathode current @ = 1.0 ampere										502-A
Class A Amplifier	22.5	22.5	0.625	0.125	0.040	1,250,000	160	—	—	—	512AX
Class AB ₁ Amplifier	400	—	45	30†	—	—	—	—	3,000‡	30‡	807
Class AB ₂ Amplifier	600	300	30	30†	5.0†	—	—	—	6,400‡	30‡	
Class A Amplifier	135	135	16.5	7.0†	2.0†	105,300	950	—	13,500	0.450	950
Class A Amplifier	250	100	3.0	2.0	0.7	1,000,000*	1,400	—	—	—	954
	90	90	3.0	1.2	0.5	1,000,000	1,100	—	—	—	
Class A Amplifier	250	—	7.0	6.3	—	11,400	2,200	—	—	—	955
	180	—	5.0	4.5‡	—	12,500	25	—	—	—	
Class C Amplifier	180	—	35‡	7.0†	—	14,700	1,700	—	—	0.135	
Class A Amplifier	250	100	3.0	6.7	2.7	700,000‡	1,800	—	—	—	956
Class A Amplifier	135	—	5.0	2.0	—	20,800‡	650	—	13.5	—	957
Class A Amplifier Class C Amplifier	135	—	7.5	3.0	—	10,000‡	1,200	—	12	—	958-A
	135	—	20	7.0	—	Input signal = 0.035 watt	—	—	—	0.6	
Class A Amplifier	135	67.5	3.0	1.7	0.4	800,000‡	600	—	—	—	959
Class A Amplifier	250	100	3.0	5.3	6.5	600,000	1,100	E _{as} = -3.0 volts			1612
Class A Amplifier	250	100	3.0	2.0	0.5	1,000,000*	1,225	—	—	—	1620
	100	100	3.0	2.0	0.5	1,000,000	1,185	—	—	—	
Class A Amplifier	300	300	30	38†	6.5†	—	—	—	4,000‡	5	1621
Class A Amplifier	300	250	20	88†	4†	—	—	—	4,000‡	10	1622
Tuning Indicator	Plate voltage = 250 thru 1 meg; Target voltage = 250 (E _p = -8 volts; Shadow = 0°) (E _p = 0 volts, Shadow = 90°. Plate current = 0.24 ma, Target current § = 4 ms)										1629
Class AB ₁ Amplifier	300	270	22.5	88†	5†	—	—	—	6,800‡	26.5	1631
Class A Amplifier	110	110	7.5	49†	4†	13,000‡	9,000	—	2,000	2.1	1632

§ Approximate.

▲ Without external shield.

† Zero signal.

‡ Grids 3 and 5 are screen. Grid 4 is signal-input grid.

Conversion transconductance.

◆ Maximum.

▽ Grids 2 and 4 are screen. Grid 3 is signal-input grid.

✱ Screen supply voltage.

✱ Absolute maximum rating.

† Plate-to-plate.

◆ Per section.

② For both sections.

✱ Minimum.

✱ Heater warm-up time controlled for series-string service.

‡ Plate supply voltage.

‡ Input plate.

— The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.

— Section 1.

— Section 2.

— A resistor of 3 ohms must be put in series with heater.



512-AX