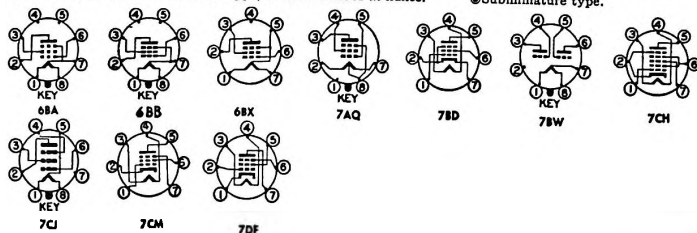


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
5BC5	Sharp-Cutoff RF Pentode	7BD	5-2	Htr	3.15%	0.6%	300	150	Pentode Connection		
							300	—	Triode Connection (G ₂ & P tied)		
5BE6	Pentagrid Converter	7CH	5-2	Htr	3.15%	0.6%	300	100	Osc I _{g1} = 0.5 ma R _{e1} = 20,000 ohms		
5BN6	Gated-Beam Discriminator	7DF	5-3	Htr	3.15%	0.6%	300	100	E _{c1} = 1.25 volts RMS*		
5BY6	Dual-Control Heptode	7CH	5-2	Htr	3.15%	0.6%	300	150	—	—	—
5BZ6	Semi-Remote Cutoff RF Pentode	7CM	5-2	Htr	3.15%	0.6%	300	150	7.5	2.8	0.015
5C4	Power Amplifier Pentode	6BX	T-X	Fil	1.4 DC	0.05	90	90	Parallel Filaments		
5C5-GT	Power Amplifier Pentode	7AQ	9-12	Fil	1.4 DC	0.1	110	110	Parallel Filaments		
					2.8 DC	0.05	110	110	Series Filaments		
5C6	Medium-Mu Twin Triode	7BW	9-30	Fil	1.4 DC	0.1	110	—	Section 1 (Parallel) Section 2 (Filaments) Section 1 (Series) Section 2 (Filaments)		
5CB6	Sharp-Cutoff RF Pentode	7CM	5-2	Htr	3.15%	0.6%	300	150	6.5	2.0	0.020
5CS6	Dual-Control Heptode	7CH	5-2	Htr	3.15%	0.6%	300	100	—	—	—
5D6	Beam Power Amplifier	6BA	9-30	Fil	1.4 DC	0.22	180	135	7.5	6.5	0.30
5E6	Beam Power Amplifier	6BX	5-2	Fil	1.4 DC	0.05	135	90	Parallel Filaments		
					2.8 DC	0.025	135	90	Series Filaments		
5E6	Sharp-Cutoff RF Pentode	7CJ	9-30	Fil	2.8 DC	0.05	110	110	Series Filaments		
					1.4 DC	0.1	110	110	Parallel Filaments		
3LE4	Power Amplifier Pentode	6BA	9-30	Fil	1.4 DC	0.1	110	110	Parallel Filaments		
					2.8 DC	0.05	110	110	Series Filaments		
3LP4	Beam Power Amplifier	6BB	9-30	Fil	2.8 DC	0.05	110	110	Series Filaments		
					1.4 DC	0.1	110	110	Parallel Filaments		

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

⊙ Subminiature type.



Service	Plate Volts	Screen Volts	Reg Grid Volts	Plate Milli-amperes	Screen Milli-amperes	R _p Ohms	G _m μmhos	μ Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Class A Amplifier	250	150	R _g = 180	7.5	2.1	800,000	5,700	—	—	—	5BC5
	125	125	R _g = 100	8.0	2.4	600,000	6,100	—	—	—	
	100	100	R _g = 180	4.7	1.4	600,000	4,900	—	—	—	
Class A Amplifier	250	—	R _g = 820	—	—	9,000	4,400	40	—	—	5BE6
	180	—	R _g = 330	8.0	—	6,000	6,000	42	—	—	
Converter	250	100	1.5	2.9	6.8	1,000,000	475 #	—	—	—	5BE6
	100	100	1.5	2.6	7.0	400,000	455 #	—	—	—	
FM Limiter-Discriminator	285	100	R _g = 200 to 400	0.49	9.8	—	—	—	330,000	—	5BN6
Gated Amplifier	250	100	2.5	6.5	9	—	1,900	E _{c3} = -2.5 volts		—	5BY6
	10	25	0	1.4	3.5	—	—	E _{c3} = 0 volts		—	
Class A Amplifier	200	150	R _g = 180	11	2.6	600,000	6,100	—	—	—	5BZ6
Class A Amplifier	85	85	5.2	5.0	1.1	125,000	1,350	—	13,000	0.2	5C4
Class A Amplifier	90	90	9.0	6.0†	1.4†	—	1,550	—	8,000	0.24	5C5-GT
Class A Amplifier	90	90	9.0	6.0†	1.4†	—	1,450	—	10,000	0.26	
Class A Amplifier	90	—	0	4.5	—	11,200	1,300	14.5	—	—	5C6
Class A Amplifier	90	—	0	4.5	—	11,200	1,300	14.5	—	—	
Class A Amplifier	90	—	0	4.5	—	11,200	1,300	14.5	—	—	
Class A Amplifier	200	150	R _g = 180	9.5	2.8	600,000	6,200	—	—	—	5CB6
Gated Amplifier	100	30	1.0	1.0	1.3	1,000,000	1,100	E _{c3} = 0 volts		—	5CS6
	100	30	0	0.8	5.5	700,000	—	E _{c3} = -1.0 volts		—	
	10	30	0	2.0	4.5	—	—	E _{c3} = 0 volts		—	
Class A Amplifier	150	90	4.5	9.8†	1.0†	—	2,400	—	14,000	0.60	5D6
Class A Amplifier	90	90	7.0	8.0	1.6	100,000	1,550	—	8,000	0.250	5E6
Class A Amplifier	67.5	67.5	5.0	5.5	1.1	120,000	1,400	—	8,000	0.125	
Class A Amplifier	90	90	7.0	6.8	1.4	120,000	1,450	—	9,000	0.225	
Class A Amplifier	67.5	67.5	5.0	4.4	0.9	130,000	1,300	—	11,000	0.115	
Class A Amplifier	90	90	R _g = 2 meg	2.9	1.2	325,000	1,700	—	—	—	3E6
Class A Amplifier	90	90	R _e = 2 meg	4.2	1.7	250,000	2,000	—	—	—	
Class A Amplifier	90	90	9.0	10†	2.0†	100,000	1,700	—	6,000	0.325	3LE4
Class A Amplifier	90	90	9.0	8.8†	1.8†	110,000	1,600	—	6,000	0.300	
Class A Amplifier	110	110	6.6	8.5	1.1	110,000	2,000	—	8,000	0.33	
Class A Amplifier	90	90	4.5	8.0	1.0	80,000	2,000	—	8,000	0.23	3LP4
Class A Amplifier	110	110	6.6	10	1.4	100,000	2,200	—	8,000	0.40	
Class A Amplifier	90	90	4.5	9.5	1.3	90,000	2,200	—	8,000	0.27	

‡ 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.

⊙ 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.