SYLVANIA TUBES — AVERAGE CHARACTERISTICS

Type	Construction			Emitter			Note (1) (2) Capacitances in μμf.			Use	Plate Volts	Negative Grid Volts	Screen Volts	Plate Current Ma.	Screen Current Ma.	Plate Resistance Ohms	Transconductance Micromhos	Amplification Factor	Ohms Load for Stated Power Output	Power Output Milliwatts	Type
	Bulb Size or Style	Class	Basing Diag.	Type	Volts	Amps.	Cgp.	Cin.	Cout												
12W6GT	T-9	Beam Amp.	7S-0-0	Cathode	12.6I	0.600	0.8*	15.0* Triode Connection	9.0*	Power Amp. Vert. Amp.	Characteristics Same as Type 6W6GT. (12W6GT Designed for Series String TV Receivers).										12W6GT
12X4	T-5½	Duodiode	5BS	Cathode	12.6	0.45	....	....	....	F-W Rect.	Identical to the 6X4.										12X4
12Z3	ST-12	Diode	4G-0-0	Cathode	12.6	0.30	....	....	....	H-W Rect.	235 A-C Volts Per Plate, RMS, 55 Ma. Output Current. Condenser Input to Filter.										12Z3
14A4	Lock-in	Triode	5AC-L-0	Cathode	12.6	0.15	4.0	3.4	3.0	Amplifier	Characteristics Same as Type 7A4.										14A4
14A5	Lock-in	Beam Amp.	6AA-L-0	Cathode	12.6	0.15	0.4	6.8	7.0	Power Amp.	250	12.5	250	30.0	3.5	70,000 ♦	3,000	.....	7,500	2,800	14A5
14A7	Lock-in	Pentode	8V-L-5	Cathode	12.6	0.15	.003m	6.0	7.0	R-F Amp.	Characteristics Same as Type 7A7.										14A7
14AF7/XXD	Lock-in	Duotriode	8AC-L-0	Cathode	12.6	0.15	2.3*	2.2*	1.6*	Amplifier	Characteristics Same as Type 7AF7.										14AF7/XXD
14B6	Lock-in	Duodiode Tri.	8W-L-7	Cathode	12.6	0.15	1.5	3.0	2.4	Det. Amp.	Characteristics Same as Type 7B6.										14B6
14B8	Lock-in	Heptode	8X-L-0	Cathode	12.6	0.15	0.2m	10.0	9.0	Converter	Characteristics Same as Type 7B8.										14B8
14C5	Lock-in	Beam Amp.	6AA-L-0	Cathode	12.6	0.225	0.4	9.5	9.0	Power Amp.	Characteristics Same as Type 7C5.										14C5
14C7	Lock-in	Pentode	8V-L-5	Cathode	12.6	0.15	.004m	6.0	6.5	R-F Amp.	100 250	1.0 3.0	100 100	5.7 2.2	1.8 0.7	400,000 ♦ 1.0 Meg. ♦	2,275 1,575	....	....	....	14C7
14E6	Lock-in	Duodiode Tri.	8W-L-7	Cathode	12.6	0.15	1.5	3.0	2.4	Det. Amp.	Characteristics Same as Type 7E6.										14E6
14E7	Lock-in	Duodi. Pent.	8AE-L-7	Cathode	12.6	0.15	.005m	4.6	5.5	Det. Amp.	Characteristics Same as Type 7E7.										14E7
14F7	Lock-in	Duotriode	8AC-L-0	Cathode	12.6	0.15	1.6#	2.4#	2.0#	Amplifier	Characteristics Same as Type 7F7.										14F7
14F8	Lock-in	Duotriode	8BW-L-0	Cathode	12.6	0.15	1.2#	2.8#	1.4#	Osc. Amp.	Characteristics Same as Type 7F8.										14F8
14H7	Lock-in	Pentode	8V-L-5	Cathode	12.6	0.15	.004m	8.0	7.0	R-F Amp.	Characteristics Same as Type 7H7.										14H7
14J7	Lock-in	Tri. Heptode	8BL-L-7	Cathode	12.6	0.15	0.03m	4.6	7.5	Mixer Osc.	Characteristics Same as Type 7J7.										14J7
14N7	Lock-in	Duotriode	8AC-L-0	Cathode	12.6	0.30	See 7N7			Amplifier	Characteristics Same as Type 7N7.										14N7
14Q7	Lock-in	Heptode	8AL-L-0	Cathode	12.6	0.15	0.15m	9.0	9.0	Converter	Characteristics Same as Type 7Q7.										14Q7
14R7	Lock-in	Duodi. Pent.	8AE-L-7	Cathode	12.6	0.15	.004m	5.6	5.3	Det. Amp.	Characteristics Same as Type 7R7.										14R7
14S7	Lock-in	Tri. Heptode	8BL-L-7	Cathode	12.6	0.15	.03m	5.0	8.0	Mixer Osc.	Characteristics Same as Type 7S7.										14S7
14W7	Lock-in	Pentode	8BJ-L-5	Cathode	12.6	0.225	.002m	9.5	7.0	R-F Amp.	Characteristics Same as Type 7V7, Except Capacitances.										14W7
14X7	Lock-in	Duodiode Tri.	8BZ-L-4	Cathode	12.6	0.15	....	....	....	Det. Amp.	Characteristics Same as Type 7X7.										14X7
14Y4	Lock-in	Duodiode	5AB-L-0	Cathode	12.6	0.30	....	....	....	F-W Rect.	325 A-C Volts Per Plate, RMS, 70 Ma. Output Current. Condenser Input to Filter. 450 A-C Volts Per Plate, RMS, 70 Ma. Output Current. Choke Input to Filter.										14Y4
15	ST-12	Pentode	5F-0-4	Cathode	2.0	0.22	.01m	2.4*	8.0*	R-F Amp.	67.5 135	1.5 1.5	67.5 67.5	1.85 1.85	0.3 0.3	630,000 800,000	710 750	450 600	....	....	15
15A8	T-9	Tri. Pentode	8GS	Cathode	15I	.600	3.4 0.7	2.6 11	0.9 5.0	Osc. Amp.	250 110	8 7.5	 110	9 45	.... 4.0	7,700 13,000	2,600 7,300	20	....	....	15A8
18	ST-14	Pentode	6B-0-0	Cathode	14.0	0.30	....	....	....	Power Amp.	Characteristics Same as Type 6F6G.										18
19	ST-12	Duotriode	6C-0-0	Filament	2.0	0.26	....	....	....	Power Amp.	135 135 135	0.0 3.0 6.0	....	5.0 1.7 0.1	....	(Class B Operation) (Class B Operation) (Class B Operation)		....	10,000¶ 10,000¶ 10,000¶	2,100 1,900 1,600	19
19AQ5	T-5½	Beam Amp.	7BZ	Cathode	18.9	0.15	....	....	....	Power Amp.	Same as 6AQ5.										19AQ5
19AU4	T-9	Diode	4CG-0-0	Cathode	18.9I	0.600	....	....	....	T.V. Damper	Characteristics Same as Type 6AU4GT. (19AU4 Designed for Series String TV Receivers).										19AU4
19AU4GTA	T-9	Diode	4CG-0-0	Cathode	18.9I	0.600	....	....	....	T.V. Damper	Characteristics Same as Type 6AU4GTA. (19AU4GTA Designed for Series String TV Receivers).										19AU4GTA
19BG6G 19BG6GA	ST-16 T-12	Beam Amp.	5BT-0-0	Cathode	18.9	0.30	0.65* 0.8*	11.0* 11.0*	6.5* 6.0*	Power Amp.	Characteristics Same as Type 6BG6G.										19BG6G 19BG6GA
19C8	T-6½	Triple Dio. Tri.	9E-0-0	Cathode	18.9	0.15	....	....	....	Det. Amp.	100	1.0	.....	0.5	....	80,000	1,250	100	....	....	19C8
19J6	T-5½	Duotriode	7BF-0-0	Cathode	18.9	0.15	1.5* ♦	2.0* ♦	0.4* ♦	Mixer #	150	810 ■	.....	4.8	....	10,200	1,900	.....	....	....	19J6
19T8	T-6½	Triple Diode Triode	9E-0-3 & 7	Cathode	18.9	0.15	2.4*	1.5*	1.1*	Det. Amp.	Characteristics Same as Type 6T8.										19T8
19V8	T-6½	Triple Diode Triode	9AH-0-3	Cathode	18.9	0.15	....	....	....	Det. Amp.	100 250	1.0 3.0	....	0.8 1.0	....	54,000 58,000	1,300 1,200	70 70	....	....	19V8
19X8	T-6½	Tri. Pentode	9AK	Cathode	18.9	0.15	....	....	....	Osc. Mix.	Same as 6X8.										19X8
20	T-8	Triode	4D-0-0	Filament	3.3	0.132	....	....	....	Power Amp.	90 135	16.5 22.5	....	2.8 6.0	....	7,800 5,850	450 600	3.5 3.5	9,600 6,500	50 130	20
22	ST-14	Tetrode	4K-0-3	Filament	3.3	0.132	.02m	4.0*	10.0*	R-F Amp.	135	1.5	67.5	3.7	1.3	250,000	500	125	....	....	22
24A 24S	ST-14	Tetrode	5E-0-3 5E-4-3	Cathode	2.5	1.75	.007m	5.3	10.5	R-F Amp. Detector	180 250 250*	3.0 3.0 5.0 ♦	90 90 20 to 45	4.0 4.0 (Plate Current to be adjusted to 0.1 Ma. with no Input Signal.)	1.7 1.7	400,000 600,000	1,000 1,050	400 630	....	....	24A 24S
25A6 25A6GT	Metal T-9	Pentode	7S-1-0 7S-0-0	Cathode	25.0	0.30	....	....	....	Power Amp.	95 135 160	15.0 20.0 18.0	95 135 120	20.0 37.0 33.0	4.0 8.0 6.5	45,000 35,000 42,000	2,000 2,450 2,375	....	4,500 4,000 5,000	900 2,000 2,200	25A6 25A6GT
25A7GT	T-9	Diode Pent.	8F-0-0	Cathode	25.0	0.30	....	....	....	H-W Rect. Power Amp.	117 A-C Volts Per Plate, RMS, 75 Ma. Output Current. 100	15.0	100	20.5	4.0	50,000	1,800	.....	4,500	770	25A7GT
25AC5GT	T-9	Triode	6Q-0-0	Cathode	25.0	0.30	....	....	....	Power Amp. Coupled Amp.	110 165	+15 Bias from 6AE5GT/G 46.0 Dynamic Coupled with 6AE5GT Driver.	.....	45.0	....	15,200	3,800	58	 2,000	 2,000	25AC5GT

(1) Values are given shielded unless marked with (*).
(2) Converter tube capacitances given are signal grid to plate; RF Input, Mixer Output.
I Controlled Heater Warm-up Time, applies only for 600 Ma. condition.
(3) Has special mechanical and/or life characteristics.
§§ With Average Power Input of 320 Mw. Grid to Grid.
†† For two tubes with 40 volts RMS applied to each grid.
* Applied through 250,000 ohms.
# Per Tube or Section.
§ Plate and Target Supply Voltage.
□ Applied through 20,000 ohms.
▲ Conversion Transconductance.
** Triode Operation.
‡ Pentode Operation.
¶ Plate to Plate.
♦ Approximate.
m maximum
■ Cathode Resistor (ohms).