

SYLVANIA TUBES — AVERAGE CHARACTERISTICS

Type	Construction		Emitter		Note (1) (*) Capacitances in μuf .				Use	Plate Vols	Negative Grid Vols	Screen Vols	Plate Current Ma.	Screen Current Ma.	Plate Resistance Ohms	Transconductance Micromhos	Amplification Factor	Ohms Load for Stated Power Output	Power Output Milli-watts	Type
	Bulb Size or Style	Class	Basing Diag.	Type	Vols	Amps.	Csp.	Cin.													Cout
1LG5	Lock-in	Pentode	7AO-L-8	Filament	1.4	0.05	.007m	3.2	7.0	45 90 90	0 0 1.5	45 45 90	1.5 1.7 3.7	0.45 0.4 0.9	350,000 Φ 1,000,000 Φ 500,000 Φ	800 800 1,050	..... ..... .....	..... ..... .....	..... ..... .....	1LG5
1LH4	Lock-in	Diode Triode	5AG-L-1	Filament	1.4	0.05	.....	.....	.....	90	0.0	.....	0.15	.....	240,000 Φ	275	65	.....	1LH4	
1LN5	Lock-in	Pentode	7AO-L-8	Filament	1.4	0.05	.007m	3.4	8.0	90	0.0	90	1.6	0.35	1.1 Meg.	800	.....	.....	1LN5	
1N5GT	T-9	Pentode	5Y-1-7	Filament	1.4	0.05	.007m	2.8	10.0	90	0.0	90	1.2	0.3	1.5 Meg. Φ	750	.....	.....	1N5GT	
1N6GT	T-9	Diode Pent.	7AM-0-0	Filament	1.4	0.05	.....	.....	.....	90	4.5	90	3.4	0.7	300,000 Φ	800	.....	25,000	1N6GT	
1P5GT	T-9	Pentode	5Y-1-7	Filament	1.4	0.05	.007m	3.0	10.0	90	0.0	90	2.3	0.7	800,000	750	.....	.....	1P5GT	
1O5GT	T-9	Beam Amp.	6AF-0-0	Filament	1.4	0.10	.....	.....	.....	90	4.5	90	9.5	1.3	.....	2,200	.....	8,000	1O5GT	
1Q6	T-3	Diode Pent.	8CO-0-0	Filament	1.25	0.04	0.085	1.8	4.2	30 67.5	0.0 0.0	30 67.5	0.33 1.60	0.09 0.40	500,000 400,000	330 600	..... .....	..... .....	..... .....	1Q6
1R4	Lock-in	H. F. Diode	4AH-L-2	Cathode	1.4	.150	.....	.....	.....	Half Wave Cathode Type Rectifier for High Frequency Use.										1R4
1R5	T-5½	Heptode	7AT-0-0	Filament	1.4	0.05	0.4m	7.0	12.0	45 90	0.0 4.5	45 67.5	0.7 1.7	1.9 3.0	600,000 Φ 500,000 Φ	235 Δ 300 Δ	..... .....	..... .....	..... .....	1R5
1S4	T-5½	Pentode	7AV-0-0	Filament	1.4	0.1	.....	.....	.....	45 90	4.5 7.0	45 67.5	3.8# 7.4#	0.8# 1.4#	100,000 Φ 100,000 Φ	1,250 1,575	..... .....	8,000 8,000	65 270	1S4
1S5	T-5½	Diode Pent.	6AU-0-0	Filament	1.4	0.05	0.2	2.0	4.0	67.5	0.0	67.5	1.6	0.4	600,000	625	.....	.....	1S5	
1S6	T-3	Diode Pent.	8DA-0-0	Filament	1.25	.040	.....	.....	.....	30 67.5	0 45	30 45	0.33 0.75	0.1 0.21	500,000 500,000	330 475	..... .....	..... .....	..... .....	1S6
1SA6GT	T-9	Pentode	6BD-0-0	Filament	1.4	0.05	.01m	5.2	8.6	45 90	0 0	45 67.5	1.1 2.4	0.3 0.7	700,000 600,000	750 950	..... .....	..... .....	..... .....	1SA6GT
1SB6GT	T-9	Diode Pent.	6BE-0-0	Filament	1.4	0.05	0.25	3.2	3.0	90 45	0 0	67.5 45	1.45 0.6	0.38 0.16	700,000 900,000	665 500	..... .....	..... .....	..... .....	1SB6GT
1T4	T-5½	Pentode	6AR-0-1&5	Filament	1.4	0.05	.008m	3.8	7.5	45 90	0.0 0.0	45 67.5	1.9 3.7	0.7 1.25	350,000 350,000	700 900	..... .....	..... .....	..... .....	1T4
1T5GT	T-9	Beam Amp.	6X-0-0	Filament	1.4	0.05	0.5	4.8	8.0	90	6.0	90	6.5	1.4	.....	1,150	.....	14,000	1T5GT	
1T6	T-3	Diode Pent.	8DA-0-0	Filament	1.25	.040	.....	.....	.....	45 67.5	0 0	45 67.5	0.75 1.6	0.21 0.4	500,000 400,000	475 600	..... .....	..... .....	..... .....	1T6
1U4	T-5½	Pentode	6AR-0-1&5	Filament	1.4	0.05	0.008m	3.6	7.5	90	0	90	1.6	0.45	1.5 Meg. Φ	900	.....	.....	1U4	
1U5	T-5½	Diode Pent.	6BW-0-0	Filament	1.4	0.05	0.2	2.2	2.4	Characteristics Same as Type 1S5.										1U5
1U6	T-5½	Heptode	7DC-0-0	Filament	1.4	0.025	0.4	8.0	12.0	67.5 90	0 0	45 45	0.5 0.55	0.6 0.55	550,000 600,000	260 Δ 275 Δ	(Ga = 67.5 V, 0.95 Ma.) (Ga = 90 V, 1.1 Ma.)			1U6
1V	ST-12	Diode	4G-0-0	Cathode	6.3	0.30	.....	.....	.....	325 A.C. Vols Per Plate, RMS, 45 Ma. Output Current. Condenser Input to Filter.										1V
1V2	T-6½	Diode	9U-0-0	Filament	0.625	0.3	.....	.....	.....	Television Service. RF or Flyback Supply. Peak Inverse Volts = 7,500, Output = 0.5 Ma.										1V2
1V5	T-3	Pentode	8CP-0-0	Filament	1.25	0.04	.....	.....	.....	Characteristics Same as Type 1AC5.										1V5
1W4	T-5½	Pentode	5BZ-0-0	Filament	1.4	0.05	.....	.....	.....	45 67.5 90	4.5 5.0 9.0	45 48.5 67.5 90	1.6 3.8 3.8 5.0	0.3 0.8 0.8 1.0	400,000 300,000 Φ 300,000 Φ 250,000 Φ	650 875 875 925	..... ..... ..... .....	20,000 16,000 16,000 12,000	35 90 100 200	1W4
1W5	T-3	Pentode	8CP-0-0	Filament	1.25	0.04	0.01m	2.3	3.5	30 67.5	0.0 0.0	30 67.5	0.42 1.85	0.16 0.75	700,000 Φ 700,000 Φ	430 735	..... .....	..... .....	..... .....	1W5
1X2	T-6½	Diode	9Y-0-1 etc.	Filament	1.25	0.2	.....	.....	.....	Television Service. RF or Flyback Supply. Peak Inverse Volts = 15 KV, Output = 1 Ma.										1X2
1X2A	T-6½	Diode	9Y-0-1 etc.	Filament	1.25	0.20	.....	.....	.....	Television Service. RF or Flyback Supply. Peak Inverse Volts = 17.5 KV, Output = 1 Ma.										1X2A
1X2B	T-6½	Diode	9Y-0-1	Filament	1.25	0.2	.....	.....	.....	Television Service. RF or Flyback Supply. Peak Inverse Volts = 22 KV, Output = 1.1 Ma.										1X2B
1Y2	ST-12	Diode	4P-0-0	Filament	1.5	0.29	.....	.....	.....	15,000 A-C Vols Per Plate, RMS, 2.0 Ma. Output Current.										1Y2
1Z2	T-5½	Diode	7CB-0-0	Filament	1.5	0.30	.....	.....	.....	7,800 Vols RMS Plate, 2.0 Ma. D.C. Output Current.										1Z2
2A3	ST-16	Triode	4D-0-0	Filament	2.5	2.50	16.0	7.0	5.0	250 300	45.0 62.0	..... .....	60.0 40.0	Per Tube, Push Pull.	800 900	5,250 4,2	4.2	2,500 3,000	3,500 15,000	2A3
2A4G	ST-12	Gas Triode	5S-0-0	Filament	2.5	2.50	.....	.....	.....	Instantaneous Forward or Inverse Anode Vols = 200 Peak Anode Amps. = 1.25 Average Anode Current = 0.1 Amp. Max. Averaging Time = 45 Seconds. Cold Starting Time = 2 Seconds.										2A4G
2A5	ST-14	Pentode	6B-0-0	Cathode	2.5	1.75	.....	.....	.....	Characteristics Same as Type 6F6G.										2A5
2A6	ST-12	Duodiode Tri.	6G-0-0	Cathode	2.5	0.80	1.7	3.8	.....	250	2.0	.....	0.9	.....	91,000	1,100	100	.....	.....	2A6
2A7	ST-12	Heptode	7C-0-0	Cathode	2.5	0.80	0.3m	8.5	9.0	Characteristics Same as Type 6A7.										2A7
2A7S	ST-12	Heptode	7C-6-0	Cathode	2.5	0.80	0.3m	8.5	9.0	Characteristics Same as Type 6A7.										2A7S
2AF4, 2AF4A	T-5½	Triode	7DK-0-0	Cathode	2.351	0.600	1.9*	2.2*	0.45*	Characteristics Same as Type 6AF4. (2AF4, 2AF4A Designed for Series String TV Receivers.)										2AF4, 2AF4A
2B3	T-9	Diode	8HC-0-7	Filament	1.75	0.25	.....	.....	.....	Television Service. Flyback Supplies. Peak Inverse Vols = 22 KV. Output = 0.5 Ma.										2B3

(·) Values are given shielded unless marked with (*).

(2) Converter tube capacitances given are signal grid to plate;

(8) Converter tube capacitances given are signal grid to plate;
RF input, Mixer Output.
†† For two tubes with 40 volts RMS applied to each grid.
‡ Controlled Heater Warm-up Time, applies only for 600 Ma. condition.

* Applied through 250,000 ohms.

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Per Tube or Section.

Per Tube or Section.
Plate and Target Supply Voltage.

☐ Applied through 20,000 ohms.

□ Applied through 20,000 ohms.
▲ Conversion Transconductance.

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** Triode Operation.

† Pentode Operation.

† Pentode Operation.
‡ Plate to Plate.

Plate to Plate.
Approximate.

m maximum

■ maximum Cathode Resistor

■ Cathode Resistor (ohms).