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												
2B5	T-3	Duotriode	8DP-0-0	Filament	2.4 1.2	0.13 0.26	1.2* 1.2*	0.9* 0.9*	1.9* 2.2*	Amplifier #	90	1.0	.....	2.6	....	18,700	.....	21.5	....	....	2B5
2B7 2B7S	ST-12	Duodi. Pent.	7D-0-6 7D-6-6	Cathode	2.5	0.80	See Type 6B7			Det. Amp.	Characteristics Same as Type 6B7.										2B7 2B7S
2BN4	T-5½	Triode	7EG	Cathode	2.3I	0.600	1.2	3.2	1.4	VHF Amp.	Characteristics Same as Type 6BN4. (2BN4 Designed for Series String TV Receivers.)										2BN4
2C4	T-5½	Gas Triode	5AS-0-0	Cathode	2.5	0.65	....	....	....	Relay Tube	350	50	Peak Cathode Ma. = 20, DC Cathode Ma. = 5, Approx. Drop at 5 Ma. = 16 V.								2C4
2C21	ST-12	Duotriode	7BH-0-0	Cathode	6.3	0.6	2.4 1.6	2.6 1.6	1.4 2.0	Amplifier Power Amp.	250 250	16.5 60.0	....	8.3 20.0	....	7,600	1,375	10.4	20,000	 3,500	2C21
2C22	T-9	Triode	4AM-0-0	Cathode	6.3	0.3	3.6	2.2	0.7	Amplifier	300	10.5	.....	11.0	....	6,600	3,000	20.0	....	....	2C22
2C50	T-9	Duotriode	8BD-0-0	Cathode	12.6	0.30	....	....	....	Amplifier #	200	11	.....	18	....	3,450	2,900	10	....	....	2C50
2C51	T-6½	Duotriode	8CJ-0-5	Cathode	6.3	0.30	1.3	2.2	1.0	Amplifier	150	2.0	.....	8.2	....	.....	5,500	35	....	....	2C51
2C52	T-9	Duotriode	8BD-0-0	Cathode	12.6	0.3	2.7*	2.3*	0.75*	Amplifier	250	2.0	.....	1.3	....	.....	1,900	100	....	....	2C52
2D21	T-5½	Gas Tetrode	7BN-0-0	Cathode	6.3	0.60	.02*	2.4*	1.6*	Relay Tube	400	5	Average Cathode Current = 100 Max. Ma., Averaged over any 30 Sec. Interval.								2D21
2E5	T-9	Electron Ray	6R-0-0	Cathode	2.5	0.80	....	....	....	Indicator	Characteristics Same as Type 6E5.										2E5
2S/4S	ST-12	Duodiode	5D-4-0	Cathode	2.5	1.35	....	....	....	Detector	The Two Diode Plates each Draw Approximately 40.0 Ma. with 50 Volts D.C. on the Plates.										2S/4S
2T4	T-5½	Triode	7DK-0-0	Cathode	2.35I	0.600	1.7*	2.6*	0.40*	UHF Osc.	Characteristics Same as Type 6T4. (2T4 Designed for Series String TV Receivers).										2T4
2V3G	ST-12	Diode	4Y-0-0	Filament	2.5	5.0	....	....	....	H-W Rect.	6000 A.C. Volts Per Plate, RMS, 2 Ma. Output Current. Condenser Input to Filter.										2V3G
2W3GT	T-9	Diode	4X-0-0	Filament	2.5	1.50	....	....	....	H-W Rect.	350 A.C. Volts Per Plate, RMS, 55 Ma. Output Current. Condenser Input to Filter.										2W3GT
2X2A (3)	Characteristics Same as Type 2X2																				2X2A (3)
2X2/879	ST-12	Diode	4AB-0-0	Cathode	2.5	1.75	....	....	....	H-W Rect.	4500 A.C. Volts Per Plate, RMS, 7.5 Ma. Output Current. Condenser Input to Filter.										2X2/879
2Z2/G84	ST-12	Diode	4B-0-0	Filament	2.5	1.50	....	....	....	H-W Rect.	350 A.C. Volts Per Plate, RMS, 50 Ma. Output Current.										2Z2/G84
3A2	T-6½	Diode	9DT-0-1	Cathode	3.15	0.22	....	....	....	H-W Rect.	Television Service. Peak Inverse Volts = 18 KV. Peak Current = 80 Ma. Average Current = 1.5 Ma.										3A2
3A3	T-9	Diode	4AC-0-7	Cathode	3.15	0.22	....	....	....	H-W Rect.	Television Service. Peak Inverse Volts = 30 KV. Peak Current = 80 Ma. Average Current = 1.5 Ma.										3A3
3A4	T-5½	Pentode	7BB-0-0	Filament	1.4 2.8	0.20 0.10	0.35m	4.8	7.0	Power Amp.	135 150	7.5 8.4	90 90	14.8 13.3	2.6 2.2	90,000 100,000	1,900 1,900	....	8,000 8,000	600 700	3A4
3A5	T-5½	Duotriode	7BC-0-0	Filament	1.4 2.8	0.22 0.11	3.0	1.1	1.9	Amplifier	90 135	2.5 20.0	....	3.7# 30.0	.... Push-Pull Class C R.F. Amplifier	8,300#	1,800#	15	....	 2,000	3A5
3A8GT	T-9	Diode Triode Pentode	8AS-0-1	Filament	1.4 2.8	0.10 0.05	2.0 .012m	2.6 3.0	4.2 10.0	Tri. Amp. Pent. Amp.	90 90	0.0 0.0	 90	0.2 1.5	.... 0.3	200,000 800,000	325 750	....	....	....	3A8GT
3AL5	T-5½	Duodiode	6BT-0-6	Cathode	3.15I	0.600	....	....	....	Detector	Characteristics Same as Type 6AL5. (3AL5 Designed for Series String TV Receivers).										3AL5
3AU6	T-5½	Pentode	7BK-0-2	Cathode	3.15I	0.600	.0035m	5.5*	5.0*	R-F Amp.	Characteristics Same as Type 6AU6. (3AU6 Designed for Series String TV Receivers).										3AU6
3AV6	T-5½	Duodiode Tri.	7BT-2-0	Cathode	3.15I	0.600	2.1	2.3	0.9	Det. Amp.	Characteristics Same as Type 6AV6. (3AV6 Designed for Series String TV Receivers).										3AV6
3B2	T-12	Diode	8GH-0-7	Cathode	3.15	0.22	....	....	....	H-W Rect.	Television Service. Pulsed Rectifier Service. Max. Peak Inverse Volts = 35 Kv, Output = 1.1 Ma.										3B2
3B4	T-5½	Beam Amp.	7CY	Filament	2.50 1.25	0.165 0.330	0.16	4.6	7.6	VHF Power Amp.	150	75	135	....	....	....	1,700	....	....	1,250	3B4
3B5GT	T-9	Beam Amp.	7AP-0-0	Filament	1.4 2.8	0.10 0.05	....	....	....	Power Amp.	45 67.5	4.5 7.0	45 67.5	4.4 6.7	0.3 0.5	100,000 100,000	1,400 1,500	....	8,000 5,000	70 180	3B5GT
3B7	Lock-in	Duotriode	7BE-L-0	Filament	2.8 1.4	.110 .220	2.6	1.4	2.6	Power Amp. Oscillator	135 180	0 0	....	22.0 25.0	(Class AB2) (Class C)	.....	1,900 R.F. Power Amp. 2800 mw at 25 mc 1400 mw at 125 mc	20	16,000	1,500	3B7
3BA6	T-5½	Pentode	7BK-0-2	Cathode	3.15I	0.600	.0035m*	5.5*	5.0*	I-F or R-F Amplifier	Characteristics Same as Type 6BA6. (3BA6 Designed for Series String TV Receivers).										3BA6
3BC5	T-5½	Pentode	7BD-0-2&7	Cathode	3.15I	0.600	0.02	6.6	2.6	Amplifier	Characteristics Same as Type 6BC5. (3BC5 Designed for Series String TV Receivers).										3BC5
3BE6	T-5½	Heptode	7CH-0-0	Cathode	3.15I	0.600	0.10m*	5.5*	8.0*	Converter	Characteristics Same as Type 6BE6. (3BE6 Designed for Series String TV Receivers).										3BE6
3BN6	T-5½	Pentode	7DF-0-1	Cathode	3.15I	0.600	....	....	....	Limit Discrim.	Characteristics Same as Type 6BN6. (3BN6 Designed for Series String TV Receivers).										3BN6
3BU8	T-6½	Duo Pentode	9FG-0-2	Cathode	3.15I	0.600	G3 to P 1.9	6.0	3.0	Sync. Sep.	Characteristics Same as Type 6BU8. (3BU8 Designed for Series String TV Receivers.)										3BU8
3BY6	T-5½	Heptode	7CH-0-0	Cathode	3.15I	0.600	0.08m*	5.4*	7.6*	Sync. Sep.	Characteristics Same as Type 6BY6. (3BY6 Designed for Series String TV Receivers).										3BY6
3BZ6	T-5½	Pentode	7CM-0-7	Cathode	3.15I	0.600	.015m	7.5	2.8	R-F Amp.	Characteristics Same as Type 6BZ6. (3BZ6 Designed for Series String TV Receivers).										3BZ6
3C2	T-12	Diode	8FV-0-4,7,8	Filament	3.15/ 1.58	0.21/ 0.42	....	....	....	H-W Rect.	Television Service. Flyback Supplies. Peak Inverse Volts = 28 KV. Output = 1.1 Ma.										3C2
3C5GT	T-9	Pentode	7AP-0-0	Filament	1.4 2.8	0.10 0.05	....	....	....	Power Amp.	90 90	9.0 9.0	90 90	6.0 6.0	1.4 1.4	.....	1,550 1,450	....	8,000 10,000	240 260	3C5GT
3C6/XXB	Lock-in	Duotriode	7BW-0-0	Filament	1.4 2.8	0.10 0.05	....	....	Sec. 1 Sec. 2 Sec. 1 Sec. 2	Det. Amp.	90 90 90 90	0 0 0 0	....	4.5 4.5 4.5 3.2	....	11,200 11,200 11,200 12,800	1,300 1,300 1,300 1,100	14.5 14.5 14.5 14.1	....	....	3C6/XXB
3CB6	T-5½	Pentode	7CM-0-7	Cathode	3.15I	0.600	0.02m*	6.5*	2.0*	Amplifier	Characteristics Same as Type 6CB6. (3CB6 Designed for Series String TV Receivers).										3CB6

(1) Values are given shielded unless marked with (*).
(2) Converter tube capacitances given are signal grid to plate; RF Input, Mixer Output.
(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).