

# SYLVANIA TUBES - AVERAGE CHARACTERISTICS

Type	Construction			Emitter		Note (1) (2) Capacitances in $\mu\mu\text{f}$ .			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 Milli-watts	Type
	Bulb Size or Style	Class	Base Diag.	Type	Volts	Amps.	Csp.	Cin.												
28Z5	Lock-in	Double Diode	6BL-L-0	Cathode	28.0	0.24	.....	.....	F-W Rect.	385 A-C Volts Per Plate, RMS, 100 Ma. Output Current. 450 A-C Volts Per Plate, RMS, 100 Ma. Output Current. Choke Input to Filter.	90 135 180	4.5 9.0 13.5	2.5 3.0 3.1	.....	11,000 10,300 10,300	850 900 900	9.3 9.3 9.3	.....	.....	28Z5
30	ST-12	Triode	4D-0-0	Filament	2.0	0.06	6.0*	3.0*	2.1*	Det. Amp.	135 180	3.0 4.5	.....	.....	.....	.....	.....	.....	.....	30
31	ST-12	Triode	4D-0-0	Filament	2.0	0.13	.....	.....	Power Amp.	.....	135 180	3.0 4.5	.....	.....	.....	.....	.....	.....	.....	31
32	ST-14	Tetrode	4K-0-3	Filament	2.0	0.06	.015m	5.3*	10.5*	R-F Amp.	135 180	3.0 4.5	.....	.....	.....	.....	.....	.....	.....	32
32L7GT	T-9	Diode Beam Amplifier	8Z-0-0	Cathode	32.5	0.30	.....	.....	Detector	.....	135 180	3.0 4.5	0.4 0.4	.....	950,000 1.2 Meg.	640 650	610 780	.....	.....	32L7GT
33	ST-14	Pentode	5K-0-0	Filament	2.0	0.26	1.0*	8.0*	12.0*	H-W Rect. Power Amp.	135 180	3.0 4.5	3.0 3.0	.....	15,000 6,000	6,000	81	2,600	1,000	33
34	ST-14	Pentode	4M-0-4	Filament	2.0	0.06	.015m	6.0*	11.0*	R-F Amp.	67.5 135 180	3.0 4.5 6.0	9.7 9.8 2.8	.....	400,000 600,000 1 Meg.	560 600 650	224 360 420	.....	.....	34
35/51 35S/51S	ST-14	Tetrode	5E-0-3 5E-4-3	Cathode	2.5	1.75	.007m	5.3*	10.5*	R-F Amp. A-F Amp.	180 230*	3.0 4.5	6.3 6.5	.....	300,000 400,000 2 Meg.	1,050 1,050	305 420	.....	.....	35/51 35S/51S
35A5	Lock-in	Beam Amp.	6AA-L-0	Cathode	35.0	0.15	.....	.....	Power Amp.	.....	110 200	7.5 8.0	11.0 11.0	.....	14,000 40,000	5,800 5,900	.....	2,500 4,500	1,500 3,500	35A5
35B5	T-5 1/2	Beam Amp.	7BZ-0-0	Cathode	35.0	0.15	0.4*	11.0*	6.5*	Power Amp.	110 110	7.5 7.5	11.0 11.0	.....	.....	5,800	.....	.....	.....	35B5
35C5	T-5 1/2	Beam Amp.	7CV-0-0	Cathode	35.0	0.15	0.60	.....	.....	Power Amp.	110 110	7.5 7.5	11.0 11.0	.....	.....	5,800	.....	.....	.....	35C5
35L6GT	T-9	Beam Amp.	7S-0-0	Cathode	35.0	0.15	0.8*	13.0*	9.5*	Power Amp.	200 200	8.0 8.0	11.0 11.0	.....	14,000 40,000	5,800 5,900	.....	2,500 4,500	1,500 3,500	35L6GT
35W4	T-5 1/2	Diode	5BQ-0-0	Cathode	35.0	0.15	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	35W4
35Y4	Lock-in	Diode	5AL-L-0	Cathode	35.0	0.15	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	35Y4
35Z3	Lock-in	Diode	4Z-L-0	Cathode	35.0	0.15	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	35Z3
35Z4GT	I-9	Diode	5AA-0-0	Cathode	35.0	0.15	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	35Z4GT
35Z5GT	T-9	Diode	6AD-0-0	Cathode	35.0	0.15	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	35Z5GT
35Z6G	ST-14	Duodiode	7Q-0-0	Cathode	35.0	0.30	.....	.....	Doubler	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	35Z6G
36	ST-12	Tetrode	5E-0-3	Cathode	6.3	0.30	.007m	3.7*	9.2*	R-F Amp.	135 180	3.0 4.5	9.8 9.8	.....	575,000 500,000	1,000 1,050	475 595	.....	.....	36
37	ST-12	Triode	5A-0-0	Cathode	6.3	0.30	2.0*	3.5*	2.9*	Detector Amplifier	135 180	3.0 4.5	9.0 9.0	.....	10,000 10,200	925 900	9.2 9.2	.....	.....	37
38	ST-12	Pentode	5F-0-0	Cathode	6.3	0.30	0.3*	3.5*	7.5*	Power Amp.	135 180	3.0 4.5	9.0 9.0	.....	130,000 110,000	995 1,200	190 180	19,500 10,000	550 2,500	38
39/44	ST-12	Pentode	5F-0-4	Cathode	6.3	0.30	.007m	3.5*	10.0*	R-F Amp.	90 180 250	3.0 3.0 3.0	5.6 5.8 5.8	.....	375,000 750,000 2 Meg.	960 1,000 1,050	360 350 1,050	.....	.....	39/44
40	ST-14	Triode	4D-0-0	Filament	5.0	0.25	8.0	2.8	2.2	Amplifier	135 180	3.0 4.5	6.7 6.7	.....	.....	.....	.....	.....	.....	40
40A1	T-9	Ballast	8ES	.....	.....	.....	.....	.....	Horiz. Reg.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40A1
40B2	T-9	Ballast	8ES	.....	.....	.....	.....	.....	Horiz. Reg.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40B2
40Z5/45Z5GT	T-9	Diode	6AD-0-0	Cathode	45.0	0.15	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	40Z5/45Z5GT
41	ST-12	Pentode	6B-0-0	Cathode	6.3	0.40	.....	.....	Power Amp.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	41
42	ST-14	Pentode	6B-0-0	Cathode	6.3	0.65	.....	.....	Power Amp.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	42
43	ST-14	Pentode	6B-0-0	Cathode	25.0	0.30	.....	.....	Power Amp.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	43
45	ST-14	Triode	4D-0-0	Filament	2.5	1.50	7.0*	4.0*	3.0*	Power Amp.	180 250 275	3.0 3.0 3.0	31.0 34.0 36.0	.....	1,650 1,700	2,195 2,050	3.5 3.5	2,700 3,900	830 1,600	45
45Z3	T-5 1/2	Diode	5AM-0-0	Cathode	45.0	0.075	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	45Z3
45Z5GT	T-5 1/2	Diode	5AM-0-0	Cathode	45.0	0.075	.....	.....	H-W Rect.	.....	110 200	7.5 8.0	11.0 11.0	.....	.....	5,800	.....	.....	.....	45Z5GT
46	ST-16	Dual Grid Triode	5C-0-0	Filament	2.5	1.75	.....	.....	Power Amp.	.....	250 400	16.5 16.5	95.0 95.0	.....	.....	.....	.....	.....	.....	46
47	ST-16	Pentode	5B-0-0	Filament	2.5	1.75	1.3*	8.6*	1.3*	Power Amp.	250 400	16.5 16.5	95.0 95.0	.....	.....	.....	.....	.....	.....	47
48	ST-16	Tetrode	6A-0-0	Cathode	30.0	0.40	.....	.....	Power Amp.	.....	95 125	20.0 22.5	100 100	.....	.....	.....	.....	.....	.....	48
49	ST-14	Dual Grid Triode	5C-0-0	Filament	2.0	0.12	.....	.....	Power Amp.	.....	180	3.0	6.0	.....	.....	.....	.....	.....	.....	49