

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	Basing Diag.	Type	Volts	Amps.	Cgp.	Cin.													Coat
6N6G	ST-14	Duotriode	7AU-0-0	Cathode	6.3	0.80				300	0.0	(Input Section) 45.0 (Output Section)	8.0		24,000 \downarrow	2,400	58	7,000	4,000	6N6G	
6N7GT 6N7	T-9 Metal	Duotriode	8B-0-0	Cathode	6.3	0.80				300	0.0	17.5 Per Plate, Class B Operation, Zero Signal 11,300 594	5.0 7.0		11,000 3,200	3,100	35	8,000 \uparrow (Class A Driver) (Class A Driver)	10,000 10,000	6N7GT 6N7	
6N8	T-6 1/2	Duo-di. Pent.	9T-0-0	Cathode	6.3	0.3	.005m	4.0	4.6	250	2	8.5	5		11 Meg.	2,900	35	1.6 Meg.		6N8	
6P5GT	T-9	Triode	6Q-0-0	Cathode	6.3	0.30	2.6	3.4	5.5	250	13.5		5.0		9,500	1,450	13.8			6P5GT	
6P7G	ST-12	Pent. Triode	7U-0-8	Cathode	6.3	0.30	.007m	2.8	12.0	250	20.0 \uparrow				1,450	1,450				6P7G	
6Q4	T-6 1/2	Triode	9S-0-0	Cathode	6.3	0.48	3.4	5.4	0.06m	250	1.0		15			19,000	80			6Q4	
6Q7	Metal	Duotriode Tri.	7V-1-8	Cathode	6.3	0.30	1.4	5.0	3.8	100	1.5		0.8		58,000	1,200	70			6Q7	
6Q7G 6Q7GT	ST-12 T-9	Duotriode	7V-0-8 7V-1-8	Cathode	6.3	0.30	1.5 1.6	3.2 2.2	5.0 5.0	250 250	3.0 3.0		1.1		58,000	1,200	70			6Q7G 6Q7GT	
6R4	T-6 1/2	Triode	6R-0-0	Cathode	6.3	0.2	1.5	1.7	0.5	150	2		30		5,500	500	16			6R4	
6R6G	ST-12	Pentode	6AW-0-0	Cathode	6.3	0.3	.007m	4.5 \uparrow	11.0 \uparrow	250	3.0	100	7.0	1.7	800,000	1,450	1,160			6R6G	
6R7	Metal	Duotriode Tri.	7V-1-1	Cathode	6.3	0.30	2.3	4.8	3.8	250	9.0		9.5		8,500	1,900	16			6R7	
6R7GT	T-9	Triode	7V-0-8	Cathode	6.3	0.30	2.1	2.6	5.2	250	20.0 \uparrow				9,500	1,450				6R7GT	
6R8	T-6 1/2	Triode	9E-0-3A8	Cathode	6.3	0.45	2.4	1.5 \uparrow	1.1 \uparrow	250	9		9.5		8,500	1,900	16			6R8	
6S4	T-6 1/2	Triode	9AC-0-0	Cathode	6.3	0.60				250	9		9.5		8,500	1,900	16			6S4	
6S4A	T-6 1/2	Triode	9AC-0-0	Cathode	6.3	0.600				250	9		9.5		8,500	1,900	16			6S4A	
6S7	Metal	Pentode	7R-1-1	Cathode	6.3	0.15	.008m	6.5	10.5	135	3.0	67.5	3.7	0.9	1 Meg.	1,950	375				6S7
6S7G	ST-12	Pentode	7R-0-8	Cathode	6.3	0.15	.008m	4.4	8.0	250	3.0	100	8.5	2.0	1 Meg.	1,750	1,100				6S7G
6S8GT	T-9	Triple Dio. Tri.	8CB-0-2	Cathode	6.3	0.30	2.0	1.2	5.0	250	2.0		0.9		91,000	1,100	100			6S8GT	
6SA7 6SA7GT 6SA7GTGTY	Metal T-9 T-9	Heptode	8R-1-0 8AD-0-6 8AD-1-6	Cathode	6.3	0.30	0.13m 0.5m 0.5m	9.5 11.0 11.0	12.0 11.0 11.0	100 250 250	2.0 2.0 2.0	100 100 100	3.3 3.5 3.5	8.5 8.5		500,000 \downarrow 425 A 450 A					6SA7 6SA7GT 6SA7GTGTY
6S87Y	Metal	Heptode	8R-1-0	Cathode	6.3	0.30	0.13m	9.6	9.2	250	1.5	100	4.0	8.5		880 A					6S87Y
6SC7, 6SC7GT	Metal, T-9	Duotriode	8S-1-0	Cathode	6.3	0.30	2.0	9.2	3.0	250	2.0		2.0		53,000	1,325	70			6SC7, 6SC7GT	
6SD7GT	T-9	Pentode	8N-1-5	Cathode	6.3	0.30	.0035	9.0	7.5	100	2.0	100	5.7	2.0	250,000 \downarrow	3,350				6SD7GT	
6SE7GT	T-9	Pentode	8N-1-5	Cathode	6.3	0.3	.0035m	6.0	7.5	250	1.0	100	5.5	2.4	250,000 \downarrow	3,100				6SE7GT	
6SF5 6SF5GT	Metal T-9	Triode	6AB-1-0 6AB-0-0	Cathode	6.3	0.30	2.4 2.6	4.0 4.2	3.6 3.8	250 250	1.0 1.0	100 100	12 12.4	3.4 3.3	200,000 \downarrow 700,000 \downarrow	1,975 2,050					6SF5 6SF5GT
6SF7	Metal	Diode Pent.	7AZ-1-1	Cathode	6.3	0.30	.004m	5.5	6.0	250	2.0	100	6.0	1.9	1.0 Meg. \downarrow	3,500				6SF7	
6SG7 6SG7GT	Metal T-9	Pentode	8BK-1-1	Cathode	6.3	0.30	.003m .004m	8.5 8.5	7.0 7.0	100 250	1.0 1.0	100 125	8.2 11.8	3.2 4.4	250,000 \downarrow 900,000 \downarrow	4,100 4,700					6SG7 6SG7GT
6SH7 6SH7GT	Metal T-9	Pentode	8BK-1-1	Cathode	6.3	0.30	.003m .004m	8.5 8.5	7.0 7.0	100 250	1.0 1.0	100 150	5.3 10.8	2.1 4.1	350,000 \downarrow 900,000 \downarrow	4,000 4,900					6SH7 6SH7GT
6SJ7 6SJ7GT 6SJ7GTGTY	Metal T-9 T-9	Pentode	8N-1-5 8N-0-5 8N-0-5 8N-0-5	Cathode	6.3	0.30	0.005m 0.005m 0.005m 0.005m	6.0 7.0 7.0 7.0	7.0 7.0 7.0 7.0	100 250 250 250	3.0 3.0 3.0 3.0	100 100 100 100	2.9 2.9 2.9 0.8	0.9 0.9 0.8	700,000 \downarrow 1,575 1.5 Meg. \downarrow						6SJ7 6SJ7GT 6SJ7GTGTY
6SK7 6SK7GT 6SK7GTGTY	Metal T-9 T-9	Pentode	8N-1-1 8N-1-5 8N-1-5	Cathode	6.3	0.30	0.003m 0.005m 0.005m	6.0 6.5 6.5	7.0 7.5 7.5	100 250 250	1.0 3.0 3.0	100 100 100	13.0 9.2	4.0 2.6	120,000 \downarrow 800,000 \downarrow	2,350 2,000					6SK7 6SK7GT 6SK7GTGTY
6SL7GT 6SL7GTGTY	Metal T-9	Duotriode	8BD-0-0	Cathode	6.3	0.30				250	2.0		2.3		44,000	1,600	70			6SL7GT 6SL7GTGTY	
6SN7GT	T-9	Duotriode	8BD-0-0	Cathode	6.3	.600	3.8 \uparrow 4.0 \uparrow	2.8 \uparrow 3.0 \uparrow	0.8 \uparrow 1.2 \uparrow	250 250	0 0		10 9		6,700 7,700	3,000 2,600	90				6SN7GT
6SN7GTA 6SN7GTB	T-9	Duotriode	8BD	Cathode	6.3	.600	4.0 \uparrow 3.8 \uparrow	2.9 \uparrow 2.6 \uparrow	0.7 \uparrow 0.7 \uparrow	Same as 6SN7GT except for Higher Maximum Plate Voltage and Dissipation Ratings. (6SN7GTB designed for Series String TV Receivers)											6SN7GTA 6SN7GTB
6SN7WGT(3)	T-9	Duotriode	8BD-0-0	Cathode	6.3	0.60				Characteristics Same as Type 6SN7GT.			0.9		91,000	1,100	100			6SN7WGT(3)	
6SQ7 6SQ7GT	Metal T-9	Duotriode Tri.	8Q-1-1 8Q-1-3	Cathode	6.3	0.30	1.6 1.8	3.2 4.2	3.0 3.4	250 250	2.0 2.0		0.9		91,000	1,100	100				6SQ7 6SQ7GT
6SR7 6SR7GT	Metal T-9	Duotriode Tri.	8Q-1-1 8Q-0-3	Cathode	6.3	0.30	2.3 2.3	3.0 3.5	3.0 3.8	250 250	9.0 9.0		9.5		8,500	1,900	16				6SR7 6SR7GT

(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, Pentode Operation.
 ‡ For two tubes with 40 volts RMS applied to each grid. † Plate to Plate.
 †† Controlled Heater Warm-up Time, applies only for 600 Ma. condition. †† Approximate.
 ‡ Pentode Operation.
 †† Conversion Transconductance.
 †† Triode Operation.