

# SYLVANIA TUBES — AVERAGE CHARACTERISTICS

Type	Construction		Emitter		Note (1) (*) Capacitances in $\mu\text{f}$ .			Use	Plates 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	Beating Dias.	Type	Volts	Amps.	Cgp.												
6BK7A	T-6½	Duodiode	9AJ-0-9	Cathode	6.3	0.45	1.8	3.0	1.0	50*	18	.....	.....	4,600*	9,300	43	.....	6BK7A	
6BL4	T-12	Diode	8GB-0-0	Cathode	6.3	3.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6BL4	
6BL7GT	T-9	Duodiode	8BD-0-0	Cathode	6.3	1.5	6.0	4.2	0.9	.....	.....	.....	.....	.....	.....	.....	.....	6BL7GT	
6BN4	T-5½	Triode	7EG	Cathode	6.3	0.30	1.2	3.2	1.4	.....	.....	.....	.....	6,300	6,800	43	.....	6BN4	
6BN6	T-5½	Pentode	7DF-0-1	Cathode	6.3	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6BN6	
6BN7	T-6½	Duodiode	9AJ-0-0	Cathode	6.3	0.75	0.7	1.4	0.3	.....	.....	.....	.....	14,000	9,000	28	.....	6BN7	
6BN8	T-6½	Duodiode	9ER	Cathode	6.3	0.60	3.0	5.5	1.6	.....	.....	.....	.....	2,900	5,500	12	.....	6BN8	
6BQ6G	ST-12	Beam Amp.	6AM-0-0	Cathode	6.3	1.2	0.6*	3.6*	0.32*	.....	.....	.....	.....	21,000	3,500	75	.....	6BQ6G	
6BQ6GA	T-11	Beam Amp.	6AM-0-0	Cathode	6.3	1.2	0.6*	3.6*	0.32*	.....	.....	.....	.....	28,000	3,500	70	.....	6BQ6GA	
6BQ6GT	T-9	Beam Amp.	6AM-0-0	Cathode	6.3	1.2	0.6*	3.6*	0.32*	.....	.....	.....	.....	21,000	3,500	70	.....	6BQ6GT	
6BQ6GTB	T-9	Beam Amp.	6AM-0-0	Cathode	6.3	1.2	0.6*	3.6*	0.32*	.....	.....	.....	.....	21,000	3,500	70	.....	6BQ6GTB	
6BQ7	T-6½	Duodiode	9AJ-0-9	Cathode	6.3	0.40	1.15	2.55	1.30	.....	.....	.....	.....	5,800	6,000	35	.....	6BQ7	
6BQ7A	T-6½	Duodiode	9AJ	Cathode	6.3	0.4	1.2	2.6	1.2	.....	.....	.....	.....	5,900	6,400	38	.....	6BQ7A	
6BR8	T-6½	Triode Pentode	9FA	Cathode	6.3	0.45	1.8	5.0	3.5	.....	.....	.....	.....	400,000	5,200	.....	.....	6BR8	
6BS8	T-6½	Duodiode	9AJ	Cathode	6.3	0.4	1.15	2.6	1.2	.....	.....	.....	.....	5,000	7,200	36	.....	6BS8	
6BT6	T-5½	Duodiode Tri.	7B1-0-2	Cathode	6.3	0.30	.....	.....	.....	.....	.....	.....	.....	54,000	1,300	70	.....	6BT6	
6BT8	T-6½	Duodi. Pent.	9FE	Cathode	6.3	0.45	0.04m*	7.0*	2.3*	.....	.....	.....	.....	300,000	6,200	.....	.....	6BT8	
6BU6	T-5½	Duodiode Tri.	7B1-0-2	Cathode	6.3	0.30	.....	.....	.....	.....	.....	.....	.....	11,000	1,300	16.5	.....	6BU6	
6BU8	T-6½	Duo Pentode	9FG-0-2	Cathode	6.3	0.300	G3 to P	6.0	3.0	.....	.....	.....	.....	8,500	1,900	16.0	.....	6BU8	
6BW4	T-6½	Duodiode	9DJ	Cathode	6.3	0.900	1.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6BW4	
6BX7GT	T-9	Duodiode	8BD	Cathode	6.3	1.5	4.2	5.0	3.4	.....	.....	.....	.....	.....	.....	.....	.....	6BX7GT	
6BX8	T-6½	Duodiode	9AJ	Cathode	6.3	0.4	1.4	4.9	2.6	.....	.....	.....	.....	.....	.....	.....	.....	6BX8	
6BY5G	ST-14	Duodiode	6CN-0-0	Cathode	6.3	1.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6BY5G	
6BY5GA	T-12	Duodiode	6CN-0-0	Cathode	6.3	1.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6BY5GA	
6BZ6	T-5½	Heptode	7CH-0-0	Cathode	6.3	0.3	0.08m*	5.4*	7.6*	.....	.....	.....	.....	.....	.....	.....	.....	6BZ6	
6BZ7	T-5½	Pentode	7CM-0-7	Cathode	6.3	0.3	0.15m	7.5	2.8	.....	.....	.....	.....	.....	.....	.....	.....	6BZ7	
6C4	T-6½	Duodiode	9AJ	Cathode	6.3	0.4	1.2	2.6	1.2	.....	.....	.....	.....	.....	.....	.....	.....	6C4	
6C5	T-5½	Triode	6BG-0-0	Cathode	6.3	0.15	1.4	1.8	2.5	.....	.....	.....	.....	.....	.....	.....	.....	6C5	
6C5GT	Metal T-9	Triode	6Q-1-1	Cathode	6.3	0.30	2.0	3.0	11.0	.....	.....	.....	.....	.....	.....	.....	.....	6C5GT	
6C6	ST-12	Pentode	6F-0-5	Cathode	6.3	0.30	0.07m	5.0*	6.5*	.....	.....	.....	.....	.....	.....	.....	.....	6C6	
6C7	ST-12	Duodiode Tri.	7G-3-6	Cathode	6.3	0.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6C7	
6C8G	ST-12	Duodiode	8G-0-0	Cathode	6.3	0.30	2.6	2.6	2.0	.....	.....	.....	.....	.....	.....	.....	.....	6C8G	
6CA5	T-5½	Beam Pent.	7CV-0-0	Cathode	6.3	1.2	0.5*	15.0*	9.0*	.....	.....	.....	.....	.....	.....	.....	.....	6CA5	
6CB5	ST-16	Beam Amp.	8GD-0-0	Cathode	6.3	2.5	0.8*	24*	10*	.....	.....	.....	.....	.....	.....	.....	.....	6CB5	
6CB5A	T-12	Beam Amp.	8GD-0-0	Cathode	6.3	2.5	0.4*	22*	10*	.....	.....	.....	.....	.....	.....	.....	.....	6CB5A	

(1) Values are given shielded unless marked with (\*).  
 (2) Converter tube capacitances given are signal grid to plate, RF input, Mixer Output.  
 † 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, 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.  
 # Per Tube or Section.  
 ‡ Plate and Target Supply Voltage.  
 † Pentode Operation.  
 †† Plate to Plate.  
 ‡ Approximate.  
 m maximum  
 # Cathode Resistor  
 (ohms).