SUBMINIATURE TUBES (SCREEN GRID TYPES)

TYPE NO.	FILAMENT		CAPACITANCES μμf			PLATE		Grid No. 1 Volts	Grid No. 2 Volts	PLATE	
	D-C Volts	Current ma	G-P	Input	Output	Volts	Diss. Milliwatts			Micro. Amps	Resistance Megohms
6007/5913	1.25	13.3	0.2	2.5	2.2	45	25	−0.2	45	475	0.4
6008/5911	0.625	13.3	0.2		1.5	45	1.5	−0.2	45	50	0.4

ENTERTAINMENT & AUDIO TUBES

TYPE NO.	FILAMENT		TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS							
			Circuit Application	Applied Voltages			Plate Current (ma)	Screen Current (ma)	Amplification Factor	Plate Resistance (K ohms)
	Volts	Amps		Plate	Screen	Grid				
1S2A	1.4	0.55	Peak Inverse Voltage 22,000 (absolute max.)				Plate Current 40 ma			
2ER5	2.1	0.6	VHF Triode for TV tuners	200	–	-1.2	10.0	–	80	–
2FY5	2.4	0.6	VHF Triode for TV tuners	135	–	-4.5	11.0	–	70	–
2GK5	2.3	0.6	VHF Triode	135	–	-1	11	–	70	5.2
2HA5	2.2	0.6	RF Amplifier triode	200	–	-5.7	11.5	–	72	5.6
3EH7/XF183	3.4	0.6	IF Amplifier	200	90	-2	12	4.5	–	500
3EJ7/XF184	3.4	0.6	IF Amplifier	200	200	-2.5	10	4.1	60	350
3ER5	2.8	0.45	RF Amplifier triode	200	–	-1.2	10.0	–	80	–
3FY5	3.1	0.45	RF Amplifier triode	135	–	-4.5	11.0	–	70	–
3GK5	2.8	0.45	VHF Triode	135	–	-1	11	–	70	5.2
3HA5	3.1	0.45	RF Amplifier triode	200	–	-5.7	11.5	–	72	5.6
4EH7/YF183	4.4	0.45	IF Amplifier	250	250	-1.3	10.0	4.1	60	350
4EJ7/YF184	4.4	0.45	IF Amplifier	200	200	-2.5	10	4.1	60	350
4ES8	4.2	0.6	Low Noise Cascode RF Amplifier	90	–	-1.2	15	–	34	2.72
4GJ7	4.3	0.6	TV oscillator mixer: Triode-Pentode	100 170	– 120	-3 -1.2	15 10	– 3.0	– 20	– >350
4GK5	4.0	0.6	VHF Triode	135	–	-1	11	–	70	5.2
4HA5	3.8	0.3	RF Amplifier triode	200	–	-5.7	11.5	–	72	5.6
5AR4/GZ34	5.0	1.9	Full Wave Rectifier	AC Supply (Plate-to-Plate) Voltage (RMS) = 2X 550 volts DC Output Current (max.) = 250 ma Max. Capacity Condenser Input Filter = 60 μf DC Output Voltage = 610 volts dc						
5ES8	5.6	0.45	Cascode AGC Controlled RF Amplifier	90	–	-1.4	15.0	–	34	2.5
5GJ7	5.7	0.45	Pentode-Triode Osc.-mixer for TV applications	170 100	120 –	-1.2 -3	10 15	3.0 –	– 20	>350
6AJ8	6.3	0.3	General purpose Triode-Heptode	250 250	– 100	0 -2	13.5 6.5	– 3.8	22 20	33 –
6AL3/EY88	6.3	1.55		Peak inverse 7,500 absolute maximum			Peak anode current 55 ma		Average Anode current 22 ma	

Trans-conductance Micromhos	Output Milliwatts	DESCRIPTION	TYPE NO.
420	6	Radiation-cooled pentode output amplifier for hearing aids and other purposes, where small size, light weight and low battery drain are important. An ideal tube for receivers.	6007/5913
100	2.25	Same as above except this tube is a voltage amplifier.	6008/5911

Trans-conductance (micromhos)	Max. Power Output – 2 Tubes, Push-Pull Class B	Load Resistance (K ohms)	Cut-Off Bias (volts)	DESCRIPTION	TYPE NO.
				Miniature half-wave vacuum rectifier designed for use in high voltage, low current applications in TV scanning systems.	1S2A
10,500	–	–	–	Miniature frame grid shielded triode with remote cut-off. Low noise figure at 220 Mc. Operates at low supply voltages. Controlled warm-up for 600 ma series string operation.	2ER5
13,000	–	–	–	Frame grid shielded triode with remote cut-off, for low supply voltages. Controlled warm-up for 600 ma series string operation.	2FY5
13,000	–	–	-4.2	A high gain frame grid VHF triode for series operation.	2GK5
14,500	–	–	–	Ampliframe sheilded triode for TV RF amplifiers. High stage gain, low noise figure, low interelectrode capacitance.	2HA5
12,500	–	–	–	See 6EH7 designed for warm-up series string operation.	3EH7/XF183
15,000	–	–	–	See 6EJ7 designed for warm-up series string operation.	3EJ7/XF184
10,500	—	—	—	Frame grid sheilded triode with remote cut-off and low noise figure. For use in VHF tuners with low supply voltages. Controlled warm-up for 450 ma series string operation.	3ER5
13,000	—	—	—	Miniature frame grid shielded triode with remote cut-off. Designed for VHF tuners in television receivers. Low noise figure at 220 Mc and operates at low supply voltages.	3FY5
13,000	—	—	-4.2	A high gain frame grid VHF triode for 450 ma series string operation.	3GK5
14,500	—	—	—	Ampliframe shielded triode for TV RF amplifiers. High stage gain, low noise figure and low interelectrode capacitances.	3HA5
15,000	–	–	–	Frame grid remote cut-off pentode designed for use as an IF amplifier in television receivers.	4EH7/YF183
15,000	–	–	–	See 6EJ7 designed for warm-up series string operation.	4EJ7/YF184
12,500	–	–	–	High performance frame-grid twin-triode with remote cut-off characteristics. Designed for use as a low noise cascode tube for 600 mA series string operation in premium TV tuners.	4ES8
11,000	–	–	–	Ampliframe triode-pentode designed for operation as an oscillator-mixer in television applications. Stable oscillator performance at low line voltage. Controlled warm-up for 600 ma series string operation.	4G57
13,000	–	–	-4.2	A high gain frame grid VHF triode for series operation.	4GK5
14,500	–	–	–	Ampliframe shielded triode for TV RF amplifiers. Controlled warm-up for 450 ma series string operation.	4HA5
				Indirectly heated, full-wave receifier with 5.0 volt, 1.9 amp heater and 250 ma output capacity. Octal base.	5AR4/GZ34
12,500	—	—	—	High performance, frame grid triode with remote cut-off characteristics. Designed for use as low noise cascode tube in premium TV tuners.	5ES8
11,000	—	—	—	Ampliframe triode-pentode for operation as an oscillator mixer in television applications. Has stable oscillator performance even at low line voltages. Controlled warm-up for 450 ma series string operation.	5GJ7
650 2,400	—	—	—	Triode-heptode designed for use in AM, FM and television receivers.	6AJ8
				Booster diode designed for application in horizontal circuits in TV receivers.	6AL3/EY88