

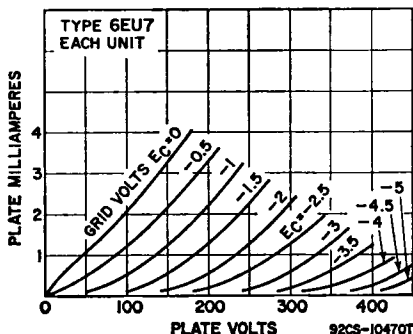
Class A₁ Amplifier (Each Unit)

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	330	volts
Grid Voltage:		
Negative-bias value	55	volts
Positive-bias value	0	watts
Plate Dissipation	1.2	watts

CHARACTERISTICS

Plate Voltage	100	250	volts
Grid Voltage	-1	-2	volts
Amplification Factor	100	100	
Plate Resistance (Approx.)	80000	62500	ohms
Transconductance	1250	1600	μmhos
Plate Current	0.5	1.2	mA



6EU8

Refer to chart at end of section.

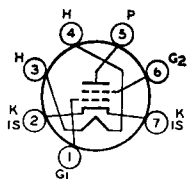
6EV5

SHARP-CUTOFF TETRODE

Miniature type used as rf amplifier in vhf tuners of television receivers. Outlines section, 5C; requires miniature 7-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.2	ampere
Heater-Cathode Voltage:		
Peak value	±100 max	volts
Average value	50 max	volts
Direct Interelectrode Capacitances:△		
Grid No.1 to Plate	0.035 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, and Internal Shield ..	4.5	pF
Plate to Cathode, Heater, Grid No.2, and Internal Shield ..	2.9	pF

△ With external shield connected to cathode.



7EW

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	275	volts
Grid-No.2 (Screen-Grid) Supply Voltage	180	volts
Grid-No.2 Voltage	See curve page 300	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	volts
Cathode Current	20	mA
Plate Dissipation	3.25	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 90 volts	0.2	watt
For grid-No.2 voltages between 90 and 180 volts	See curve page 300	

CHARACTERISTICS

Plate Voltage	250	volts
Grid-No.2 Voltage	80	volts
Grid-No.1 Voltage	—1	volt
Plate Resistance (Approx.)	0.15	megohm
Transconductance	8800	μ mhos
Plate Current	11.5	mA
Grid-No.2 Current	0.9	mA
Grid-No.1 Voltage (Approx.) for transconductance of 100 μ mhos ..	—4.5	volts

MAXIMUM CIRCUIT VALUE

Grid-No.1-Circuit Resistance	0.5	megohm
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Refer to chart at end of section.

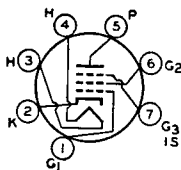
6EV7

6EW6

5EW6

SHARP-CUTOFF PENTODE

Miniature type used in the gain-controlled picture-if stages of vhf color and black-and-white television receivers operating at an intermediate frequency in the order of 40 MHz. Outlines section, 5C; requires miniature 7-contact socket. Type 5EW6 is identical with type 6EW6 except for heater ratings.



7CM

Heater Voltage (ac/dc)	5EW6 5.6	6EW6 6.3	volts
Heater Current	0.45	0.4	ampere
Heater Warm-up Time (Average)	11	—	seconds
Heater-Cathode Voltage:			
Peak value	± 200 max	± 200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances:	Unshielded	Shielded*	
Grid No.1 to Plate	0.04 max	0.03 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	10	10	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	2.4	3.4	pF

* With external shield connected to cathode.

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	330	volts
Grid No.3 (Suppressor-Grid) Voltage, Positive value	0	volts
Grid-No.2 (Screen-Grid) Supply Voltage	330	volts
Grid-No.2 Voltage	See curve page 300	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	volts
Plate Dissipation	3.1	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 165 volts	0.65	watt
For grid-No.2 voltages between 165 and 330 volts	See curve page 300	

