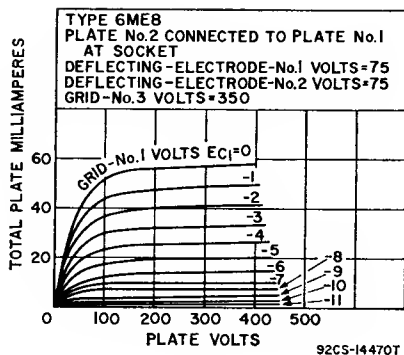
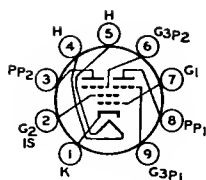




SHARP-CUTOFF TWIN PENTODE

6MK8

Miniature type used in sync-separator, clipper, agc, and low-level color-demodulator circuits in television receivers. Outlines section, 6E; requires miniature 9-contact socket.


9FG

Heater Voltage	6.3	volts
Heater Current	0.3	ampere
Heater-Cathode Voltage:		
Peak value	±200 max	volts
Average value	100 max	volts
Direct Interelectrode Capacitances:		
Grid No.3 to Plate (Each Section)	2	pF
Grid No.1 to All Electrodes	6	pF
Grid No.3 (Each Section) to All Electrodes	3.6	pF
Plate (Each Section) to All Electrodes	3	pF
Grid No.3 (Section 1) to Grid No.3 (Section 2)	0.015 max	pF

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage (Each Unit)	300	volts
Grid-No.3 (Suppressor-Grid) Voltage (Each Unit)		
Peak positive value	50	volts
DC negative value	50	volts
DC positive value	3	volts
Grid-No.2 (Screen-Grid) Voltage	150	volts
Grid-No.1 (Control-Grid) Voltage, Negative-bias value	50	volts
Cathode Current	12	mA
Plate Dissipation (Each Section)	1.1	watts
Grid-No.2 Input	0.75	watt

MAXIMUM PLATE CURRENT RATIO (Balance)—1.3 to 1

Plate Voltage	100	volts
Grid-No.2 Voltage	67.5	volts
Grid-No.1 Voltage	67.5	volts
Grid-No.3 Voltage	0	volts
Grid-No.1 Resistance	0.68	megohm

CHARACTERISTICS

With One Unit Operating*

Plate Voltage	100	100	volts
Grid-No.3 Voltage	0	0	volts
Grid-No.2 Voltage	67.5	67.5	volts
Grid-No.1 Voltage	0	*	volts
Transconductance, Grid No.3 to Plate	—	450	μmhos
Transconductance, Grid No.1 to Plate	1100	—	μmhos

Plate Current	—	2	mA
Grid-No.3 Voltage (Approx.) for plate current of 100 μ A	—	—3.5	volts
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—	—2.3	volts
With Both Units Operating			
Plate Voltage (Each Unit)	100	100	volts
Grid-No.3 Voltage (Each Unit)	—10	0	volts
Grid-No.2 Voltage	67.5	67.5	volts
Grid-No.1 Voltage	*	*	volts
Plate Current (Each Section)	—	2	mA
Cathode Current	7.1	8.5	mA
Grid-No.2 Current	7	4.4	mA

MAXIMUM CIRCUIT VALUES

Grid-No.3-Circuit Resistance (Each Unit)	0.5	megohm
Grid-No.1-Circuit Resistance	0.5	megohm

* With plate and grid No.3 of other unit grounded.

* Grid current adjusted for 100 μ A dc.

6N6G Refer to chart at end of section.

6N7
6N7GT Refer to chart at end of section.

6P5GT Refer to chart at end of section.

6P7G Refer to chart at end of section.

6Q7
6Q7G Refer to chart at end of section.

6Q7GT

6Q11 Refer to chart at end of section.

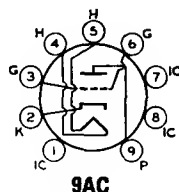
6R7
6R7G Refer to chart at end of section.

6R7GT

6S4 Refer to chart at end of section.

6S4A MEDIUM-MU TRIODE

Miniature type used as vertical-deflection amplifier in color and black-and-white television receivers. Outlines section, 6E; requires miniature 9-contact socket.



Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.6	ampere
Heater Warm-up Time (Average)	11	seconds
Heater-Cathode Voltage:		
Peak value	± 200 max	volts
Average value	100 max	volts
Direct Interelectrode Capacitances (Approx.):		
Grid to Plate	2.4	pF
Grid to Cathode and Heater	4.2	pF
Plate to Cathode and Heater	0.6	pF

Class A₁ Amplifier

CHARACTERISTICS		
Plate Voltage	250	volts