

Refer to chart at end of section.

7H7

Refer to chart at end of section.

7HG8

Refer to type 6HG8/ECF86.

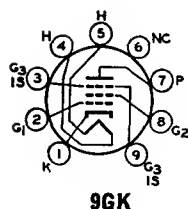
7HG8/PCF86

Refer to chart at end of section.

7J7

Refer to chart at end of section.

7K7



9GK

SHARP-CUTOFF PENTODE

7KY6

Miniature type with frame grid used as video output amplifier in color and black-and-white television receivers. Outlines section, 6E; requires miniature 9-contact socket.

Heater Voltage (ac/dc)	7.3	volts
Heater Current	0.45	ampere
Heater Warm-up Time	11	seconds
Heater-Cathode Voltage:		
Peak value	±200 max	volts
Average value	100 max	volts
Direct Interelectrode Capacitances:		
Grid No.1 to Plate	0.16 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	14	pF
Plate to Cathode, Heater, Grid No.2, Grid No.3, and Internal Shield	6	pF

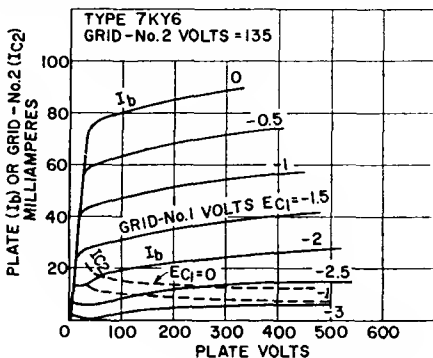
Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	330	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	9	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 165 volts	1	watt
For grid-No.2 voltages between 165 and 330 volts	See curve page 300	

CHARACTERISTICS

Plate Supply Voltage	200	volts
Grid-No.3 Voltage	Connected to cathode at socket	
Grid-No.2 Supply Voltage	135	volts
Grid-No.1 Supply Voltage	0	volts



92CS-13633T1

Cathode-Bias Resistor	47	ohms
Plate Resistance (Approx.)	40000	ohms
Transconductance	30000	μ mhos
Plate Current	30	mA
Grid-No.2 Current	5.2	mA
Grid-No.1 Voltage (Approx.) for plate current of 100 μ A	—4.5	volts

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:		
For fixed-bias operation	0.1	megohm
For cathode-bias operation	0.25	megohm

7KZ6	Refer to chart at end of section.
7L7	Refer to chart at end of section.
7N7	Refer to chart at end of section.
7Q7	Refer to chart at end of section.
7R7	Refer to chart at end of section.
7S7	Refer to chart at end of section.
7V7	Refer to chart at end of section.
7W7	Refer to chart at end of section.
7X7	Refer to chart at end of section.
7Y4	Refer to chart at end of section.
7Z4	Refer to chart at end of section.
8A8	For replacement use type 9A8/PCF80.
8AC10	Refer to type 6AC10.
8AL9	Refer to chart at end of section.
8AR11	Refer to type 6AR11.
8AU8	Refer to chart at end of section.
8AW8A	Refer to type 6AW8A.
8B8	Refer to type 16A8/PCL82.
8B10	Refer to type 6B10.
8BA8A	Refer to type 6BA8A.
8BA11	Refer to type 6BA11.
8BH8	Refer to chart at end of section.