

Refer to chart at end of section.

**7H7**

Refer to chart at end of section.

**7HG8**

Refer to type 6HG8/ECF86.

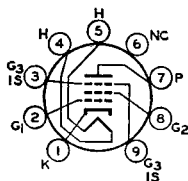
**7HG8/PCF86**

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

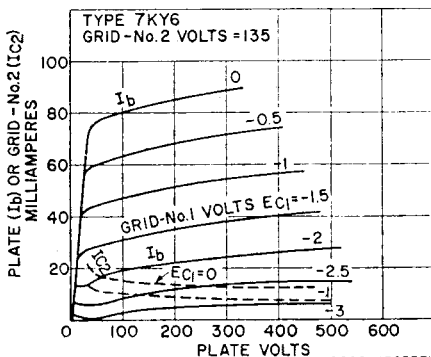
**Class A<sub>1</sub> Amplifier**

**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



Cathode-Bias Resistor .....	47	ohms
Plate Resistance (Approx.) .....	40000	ohms
Transconductance .....	30000	$\mu$ mhos
Plate Current .....	30	mA
Grid-No.2 Current .....	5.2	mA
Grid-No.1 Voltage (Approx.) for plate current of 100 $\mu$ 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

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