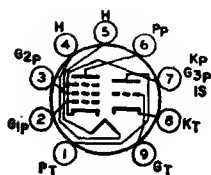


Refer to chart at end of section.	8CB11
For replacement use type 8FQ7/8CG7.	8CG7
Refer to type 6CM7.	8CM7
Refer to chart at end of section.	8CN7
Refer to type 6CS7.	8CS7
Refer to type 6CW5/EL86.	8CW5/XL86
Refer to type 6CW5.	8CW5
Refer to type 6CX8.	8CX8
Refer to chart at end of section.	8EB8
For replacement use type 8GN8/8EB8.	8EM5
Refer to type 6EM5.	8ET7
Refer to chart at end of section.	8FQ7
Refer to type 6FQ7/6CG7.	8FQ7/8CG7
Refer to chart at end of section.	8GJ7
Refer to type 6GJ7/ECF801.	8GJ7/PCF801
Refer to type 6GN8.	8GN8
Refer to type 6GU7.	8GN8/8EB8
Refer to type 6JU8A.	8GU7
Refer to type 6JV8.	8JU8A
Refer to type 6KA8.	8JV8
Refer to type 6LC8.	8KA8
Refer to type 6LT8.	8LC8
Refer to chart at end of section.	8LT8
	9A8

**9DC**

Outlines section, 6B; requires miniature 9-contact socket. **Heater:** volts (ac/dc), 9; amperes, 0.3; maximum heater-cathode volts, +100, -200 peak; -120 average.

MEDIUM-MU TRIODE— SHARP-CUTOFF PENTODE

Miniature type used as combined oscillator and mixer tubes in vhf color and black-and-white television re-

9A8/ PCF80

Class A₁ Amplifier**MAXIMUM RATINGS (Design-Center Values)**

	Triode Unit	Pentode Unit	
Plate Supply Voltage	550	550	volts
Plate Voltage	250	250	volts
Grid-No.2 (Screen-Grid) Voltage	—	175	volts
Cathode Current	14	14	mA
Plate Dissipation	1.5	1.7	watts
Grid-No.2 Input	—	0.5	watt

CHARACTERISTICS

Plate Voltage	100	170	volts
Grid-No.2 Voltage	—	170	volts
Grid-No.1 Voltage	—2	—2	volts
Amplification Factor	20	47*	
Plate Resistance (Approx.)	—	0.4	megohm
Transconductance	5000	6200	μmhos
Plate Current	14	10	mA
Grid-No 2 Current	—	2.8	mA

MAXIMUM CIRCUIT VALUES

Grid-No.1-Circuit Resistance:			
For fixed-bias operation	0.5	0.5	megohm
For cathode-bias operation	0.5	1	megohm

* Grid No.2 to Grid No.1.

9AH9

Refer to chart at end of section.

9AK10

Refer to chart at end of section.

9AM10

Refer to chart at end of section.

9AQ8/PCC85

Refer to chart at end of section.

9AU7

Refer to type 12AU7A.

9BJ11

Refer to chart at end of section.

9BR7

Refer to chart at end of section.

9CL8

Refer to chart at end of section.

9EA8

Refer to chart at end of section.

9GH8A

Refer to type 6GH8A.

9GV8

Refer to chart at end of section.

9GV8/XCL85

Refer to type 6GV8/ECL85.

9JW8/PCF802

Refer to type 6JW8/ECF802.

9KC6

Refer to chart at end of section.

9KX6**SHARP-CUTOFF PENTODE**

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: volts, 8.7; amperes, 0.45; warm-up time, 11 seconds; maximum heater-cathode volts, ± 200 peak, 100 average.

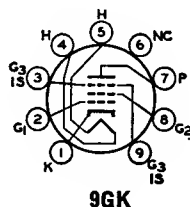
**9GK****Class A₁ Amplifier****MAXIMUM RATINGS (Design-Maximum Values)**

Plate Voltage	400	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 value	0	volts
Plate Dissipation	11.5	watts
Grid-No.2 Input	1.5	watts

CHARACTERISTICS

Plate Voltage	250	50	volts
Grid-No.3 Voltage	Connected to cathode at socket		
Grid-No.2 Supply Voltage	150	125	volts
Grid-No.1 Voltage	0	0	volts