6C8-G

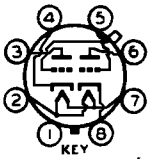
TWIN-TRIODE AMPLIFIER

Heater ■	Coated Unipotential Cathodes		
Voltage	6.3		a-c or d-c volts
Current	0.3		amp.

Direct Interelectrode Capacitances (Approx.):

	Triode Unit T_1		*Triode Unit T_2*	
Grid to Plate	2.6		1.8	μμf
Grid to Cathode	2.6		1.3	μμf
Plate to Cathode	2.0		2.2	μμf
Grid to Grid		0.1		μμf
Plate to Plate		2.0		μμf

Overall Length	4-7/32" to 4-15/32"
Seated Height	3-21/32" to 3-29/32"
Maximum Diameter	1-9/16"
Bulb	ST-12
Cap	Skirted Miniature, Style A
Base	Small Shell Octal 8-Pin
Pin 1 - No Connection	Pin 6 - Plate (Triode T_1)
Pin 2 - Heater	Pin 7 - Heater
Pin 3 - Plate (Triode T_2)	Pin 8 - Cathode (Triode T_1)
Pin 4 - Cathode (Triode T_2)	Cap - Grid (Triode T_2)
Pin 5 - Grid (Triode T_1)	
Mounting Position	Any



BOTTOM VIEW (G-8G)

EACH TRIODE UNIT

Plate Voltage	250 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	1.0 max.	watt

Characteristics - Class A_1 Amplifier:

Plate	250	volts
Grid	-4.5	volts
Amp. Fact.	36	
Plate Res.	22500	ohms
Transcond.	1600	μmhos
Plate Cur.	3.2	ma.

Typical Operation - Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

◄ Indicates a change.

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC

6C8-G

6C8-G

AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT