



6F8-G

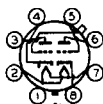
6F8-G

TWIN-TRIODE AMPLIFIER

Heater	Coated Unipotential Cathodes		
Voltage	6.3	a-c or d-c volts	
Current	0.6	amp.	
Direct Interelectrode Capacitances (Approx.): ^o			
	<u>Triode Unit T_1</u>	<u>Triode Unit T_2</u>	
Grid to Plate	3.8	3.2	μf
Grid to Cathode	3.2	1.9	μf
Plate to Cathode	1.0	1.9	μf
Maximum Overall Length	4-15/32"		
Maximum Seated Height	3-29/32"		
Maximum Diameter	1-9/16"		
Bulb	ST-12		
Cap	Skirted Miniature		
Base	Small Shell Octal 8-Pin		
Pin 1—No Connection	Pin 6—Plate T_1		
Pin 2—Heater	Pin 7—Heater		
Pin 3—Plate T_2	Pin 8—Cathode T_1		
Pin 4—Cathode T_2	Cap —Grid T_2		
Pin 5—Grid T_1			
Mounting Position	Any		

A circular diagram representing the bottom view of an octal base. It shows eight pins numbered 1 through 8. Pin 1 is at the bottom, pin 2 is at the bottom-left, pin 3 is at the top-left, pin 4 is at the top, pin 5 is at the top-right, pin 6 is at the right, pin 7 is at the bottom-right, and pin 8 is at the bottom. Inside the circle, there is a schematic of the internal electrode connections: a central cathode (C) connected to pins 8 and 7, a grid (G) connected to pins 5 and 6, and a plate (P) connected to pins 3 and 4. Pin 1 is labeled 'KEY'.

BOTTOM VIEW (G-8G)



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For convenience, one triode unit is identified as T_1 ; the other as T_2

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER—Each Unit

Plate Voltage	300 max. volts		
Grid Voltage	0 min. volts		
Plate Dissipation	2.5 max. watts		
Characteristics — Class A_1 Amplifier:			
Plate	90	250	volts
Grid	0	-8	volts
Amp. Fact.	20	20	
Plate Res.	6700	7700	ohms
Transcond.	3000	2600	μmhos
Plate Cur.	10	9	ma.

Typical Operation with Resistance Coupling:

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.
- ^o With no external shield.

Curves under Type 6J5 apply to each unit of the 6F8-G.

← Indicates a change.

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DATA