



6W7-G



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TRIPLE-GRID DETECTOR AMPLIFIER

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	0.007 max.	μf
Input	5	μf
Output	8.5	μf
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
Base		Small Shell Octal 7-Pin
Pin 1 - No Connection		Pin 5 - Suppressor
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Pin 4 - Screen		Cap - Grid
Mounting Position		Any



BOTTOM VIEW (G-7R)
AMPLIFIER

Plate Voltage	300 max. volts
Screen Voltage	100 max. volts
Screen Supply Voltage	300 max. volts
Grid Voltage	0 min. volts
Plate Dissipation	0.5 max. watt
Screen Dissipation	0.1 max. watt
<i>Typical Operation and Characteristics - Class A₁ Amplifier:</i>	
Plate	250 ¹ volts
Screen	100 volts
Grid	-3 volts
Suppressor	Connected to cathode at socket
Plate Res. (approx.)	1.5 megohms
Transcond.	1225 μmhos
Grid Bias (approx.) for cathode-current-cut-off	-7 volts
Plate Cur.	2 ma.
Screen Cur.	0.5 ma.

Typical Operation as 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.
- With close-fitting shield connected to cathode.

Curves under Types 6J7 and 57 apply to the 6W7-G within the limitations of the maximum ratings.

← Indicates a change.