



6AE7-GT

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**TWIN-INPUT TRIODE AMPLIFIER**

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.5	amp.
Direct Interelectrode Capacitances:		
Grid to Plate (per section)		2.5 μ f
Grid to Grid		0.3 μ f
Input (per section)		3.0 μ f
Output		1.8 μ f
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4"
Maximum Diameter		1-5/16"
Bulb		T-9
Base	Intermediate Shell Octal 8-Pin	
Pin 1 - No Connection		Pin 5 - Cathode #2
Pin 2 - Heater		Pin 6 - Grid #1
Pin 3 - Plate		Pin 7 - Heater
Pin 4 - Grid #2		Pin 8 - Cathode #1
Mounting Position		Any



BOTTOM VIEW (G-7AX)

AMPLIFIER*Both Grids Connected Together At Socket; Likewise Both Cathodes*

Plate Voltage	300 max. volts
Plate Dissipation	5 max. watts
Characteristics:	
Plate	250 volts
Grid	-13.5 volts
Amplification Factor	14
Plate Resistance	4650 ohms
Transconductance	3000 μ mhos
Plate Current	10 ma.

DYNAMIC-COUPLED PUSH-PULL AMPLIFIER*As Driver For Two Type 6AC5-GT Tubes*

Plate Voltage	300 max. volts
Plate Dissipation	5 max. watts
Typical Operation:	
Plate Supply Voltage	250 volts
Grid Voltage	▲ volts
Grid-to-Grid Input Signal to 6AE7-GT (RMS) ^o	44 volts
Zero-Sig. Plate Cur. (6AE7-GT)	10 ma.
Max.-Sig. Plate Cur. (6AE7-GT)	19 ma.
Zero-Sig. Plate Cur. (6AC5-GT/6AC5-G's)	64 ma.
Max.-Sig. Plate Cur. (6AC5-GT/6AC5-G's)	75 ma.
Effective Load Resistance	
Plate-to-Plate (6AC5-GT/6AC5-G's)	10000 ohms
Harmonic Distortion (6AC5-GT/6AC5-G's)	10 %
Max.-Sig. Power Output (6AC5-GT/6AC5-G's)	9.5 watts

■ 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.

▲ Bias voltage for both the driver and the push-pull stage is developed by the dynamic-coupled connection.

^o current does not flow in the driver grid circuit during any part of the input cycle.

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RCA RADIODRON DIVISION
RCA MANUFACTURING COMPANY, INC.

TENTATIVE DATA