

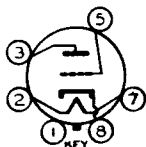


25AC5-GT/G

25AC5-GT/G

HIGH-MU POWER AMPLIFIER TRIODE

Heater	Coated Unipotential Cathode	a-c or d-c volts
Voltage	25	amp.
Current	0.3	
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4"
Maximum Diameter		1-5/16"
Bulb		T-9
Base	Intermediate Shell Octal 6-Pin	
Pin 1 - No Connection	Pin 5 - Grid	
Pin 2 - Heater	Pin 7 - Heater	
Pin 3 - Plate	Pin 8 - Cathode	Any
Mounting Position		



BOTTOM VIEW (G-6Q)

Maximum Ratings Are Design-Center Values

CHARACTERISTICS

Plate Voltage	110	volts
Grid Voltage	+15	volts
Amplification Factor	58	
Plate Resistance	15200	ohms
Transconductance	3800	μmhos
Plate Current	45	ma.
Grid Current	7	ma.

AMPLIFIER

Plate Voltage	180 max.	volts
Plate Dissipation	10 max.	watts

Typical Operation - Class B Power Amplifier:

Unless otherwise specified, values are for 2 tubes

Plate Voltage	180	volts
Grid Voltage	0	volts
Peak A-F Grid-to-Grid Voltage	60	volts
Zero-Signal D-C Plate Current	4	ma.
Effective Load Res. (plate-to-plate)	4800	ohms
Peak Power Input	810	mw.
Power Output	6	watts

Dynamic-Coupled Class A₁ Amplifier - With Driver as Indicated:

	6AF5-GT/G As Driver	6P5-GT/G As Driver	37 As Driver	
Plate-Supply Voltage	110	180	180	volts
Grid Voltage	▲	▲	▲	volts
Average Plate Current	45	27	37	ma.
Average Plate Current of Driver	7	4	5.3	ma.
Input Signal to Driver (RMS)*	22	12	17	volts
Driver Grid Resistor	1.0	1.0	1.0	max. megohm
Load Resistance	2000	8000	5000	ohms
Harmonic Distortion	10	10	10	%
Power Output	2.0	2.0	2.7	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 25AC5-GT/G and the driver is developed by the Dynamic-Coupled connection. The Dynamic-Coupled connection is illustrated under type 6AC5-GT/G; the 25AC5-GT/G does not require the use of the 25000-ohm resistor.

* Current does not flow in the driver grid circuit during any part of the input cycle. Under maximum rated conditions, the total d-c resistance in the grid circuit of the driver should not exceed 1.0 megohm.

Mar. 20, 1943

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA