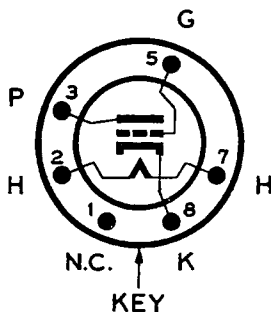




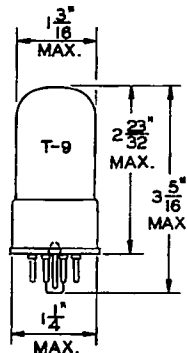
GENERAL DESCRIPTION

Application: The Ken-Rad 6AC5GT is a cathode type power amplifier triode. It may be used for operation in positive grid regions with a type 76 as a driver. The 6AC5GT is a glass tube equipped with an octal base.

Physical Characteristics:



Bottom View



RATING AND CHARACTERISTICS

Heater:

Voltage 6.3 Volts AC or DC
Current 0.4 Ampere

Note: Voltage between heater and cathode should be kept at a minimum if direct connection is not possible.

STATIC AND DYNAMIC CHARACTERISTICS

Plate Voltage	250	Volts Max.
Grid Voltage	+13	Volts
Plate Current	32	Milliamperes
Grid Current	5	Milliamperes
Plate Resistance	36,700	Ohms
Mutual Conductance	3,400	Micromhos
Amplification Factor	125	

CLASS B OPERATION WITH TWO TUBES

Plate Voltage	250 Max.	Volts
Peak Plate Current (Per Tube)	110 Max.	Milliamperes
Average Plate Dissipation	10 Max.	Watts
Grid Voltage	0	Volts
Peak AF Voltage Grid to Grid	70	Volts
Zero-Signal DC Plate Current (Per Tube)	2.5	Milliamperes
Load Resistance (Plate to Plate)	10,000	Ohms
Power Output	8	Watts Approx.
Peak Input Power Applied between Grids	950	Milliwatts

DYNAMIC-COUPLED POWER AMPLIFIER OPERATION
WITH TYPE 76 AS DRIVER

Plate Supply Voltage	250	Volts Max.
External Grid Voltage*	0	Volts
Plate Dissipation	10	Watts Max.
Plate Current	32	Milliamperes
Plate Current of Driver	5.5	Milliamperes
Input Signal to Driver	16.5	Volts RMS
Load Resistance	7,000	Ohms
Total Harmonic Distortion	10	Percent
Power Output**	3.7	Watts

*Bias voltage for both the 6AC5GT and driver is developed automatically by the dynamic-coupled connection. A 25,000 ohm resistor should be connected between grid and cathode of the power tube to prevent a current surge occurring when the tube is warming up. Total resistance in the type 76 grid circuit should not exceed 1 megohm.

** A power output of 4.3 watts may be obtained if the driver is operated up to the point of grid current flow. Distortion is approximately 16% under these conditions.

Note: The Ken-Rad Tube and Lamp Corporation assumes no liability for the use of the dynamic-coupled circuit.

Note: For characteristic curves refer to the Type 6AC5G.