

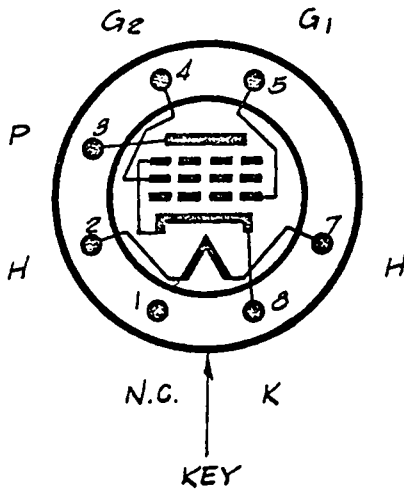


Tentative Data

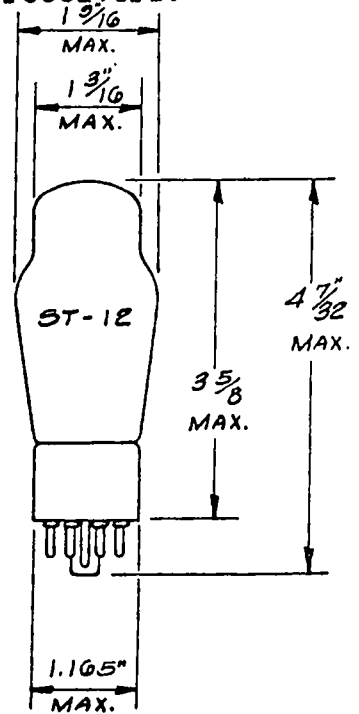
GENERAL DESCRIPTION

Application: The Ken-Rad 6G6G is a cathode type power amplifier pentode designed for use in output stages where low power output suffices and where maximum efficiency is of prime importance. The 6G6G is a glass tube equipped with an octal base. This tube is not recommended for service in automobile receivers.

Physical Characteristics:



Bottom View



RATING AND CHARACTERISTICS

Heater:

Voltage	6.3 Volts AC or DC
Current	.15 Ampere

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



## Tentative Data

AMPLIFIER OPERATION - SINGLE TUBE CLASS A

Plate Voltage	135	180 Max.	Volts
Screen Voltage	135	180 Max.	Volts
Grid Voltage	-6.0 <sup>o</sup>	-9.0*	Volts
Plate Current	11.5	15.0	Ma
Screen Current	2.0	2.5	Ma
Plate Resistance	170,000	175,000	Ohms
Amplification Factor	360	400	
Mutual Conductance	2100	2300	Micromhos
Load Resistance	12,000	10,000	Ohms
Power Output	.6	1.1	Watts
Total Harmonic Distortion	7.5	10	Per cent
**Self-Bias Resistor	440	510	Ohms

<sup>o</sup>Transformer or impedance-coupled input systems are recommended. If resistance coupling is used the DC resistance in the grid return must be limited to .5 megohm for self-biased and fixed-bias conditions provided that the heater voltage does not exceed rated value by more than 10% under all operating conditions.

\*Transformer or impedance-coupled input systems are recommended. If resistance coupling is used the DC resistance in the grid return must be limited to .5 megohm for self-biased conditions and .05 megohm for fixed-biased conditions provided that the heater voltage does not exceed rated value by more than 10% under all operating conditions.

\*\*Single tube.