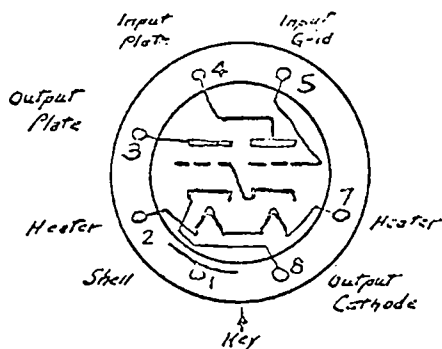




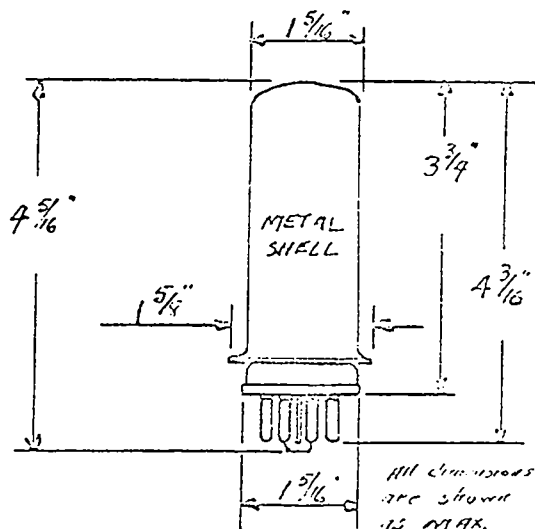
GENERAL DESCRIPTION

Application: The Ken-Rad 6N6 is a cathode type power output tube comprising two triodes so connected internally as to form a direct coupled amplifier. Although the internal construction and theory of operation is different from conventional output tubes, external circuit considerations are very similar to Class A triodes and pentodes. Operation of the 6N6 is characterized by high power output, low distortion, and simplicity of circuit components. The base is of the small octal type and the tube elements are enclosed in a metal shell which is connected to one of the base pins.

Physical Characteristics:



Bottom View



Rating And Characteristics

Heater:

Voltage
Current

6.3 Volts AC or DC
.8 Ampere

Note: Voltage between heater and cathode should not exceed 50 volts. In no case should the heater be left floating.

AMPLIFIER OPERATION SINGLE TUBE (CLASS A)

Plate Voltage (Output)	250	300	Volts
Plate Voltage (Input)	250	300	Volts
Grid Voltage	0	0	Volts
Plate Current (Output)	33	45	Milliamperes
Plate Current (Input)	6.5	8.0	Milliamperes
Plate Resistance		24100	Ohms
Amplification Factor		58	
Mutual Conductance		2400	Micromhos
Load Resistance	7000	7000	Ohms
Power Output	2.5	4	Watts
Total Harmonic Distortion	5	5	Per Cent
Input Volts for Rated Output	13.5	15	RMS Volts

° Static Plate Current. °° DC Resistance in grid return should not exceed .5 megohm.

AMPLIFIER OPERATION (CLASS A) - PUSH PULL - TWO TUBES

Plate Voltage (Output)	250	300	Volts
Plate Voltage (Input)	250	300	Volts
°°Grid Voltage	0	0	Volts
°Plate Current (Output)	33	45	Milliamperes
°Plate Current (Input)	6.5	8.0	Milliamperes
Load Resistance (Plate to Plate)	10000	10000	Ohms
Power Output	8.5	10	Watts
Total Harmonic Distortion	5	5	Per Cent
**Input Volts for Rated Output	38	38	RMS Volts

°° DC Resistance in grid return should not exceed .5 megohm.

° Static plate current. (Per tube)

** Grid to Grid.