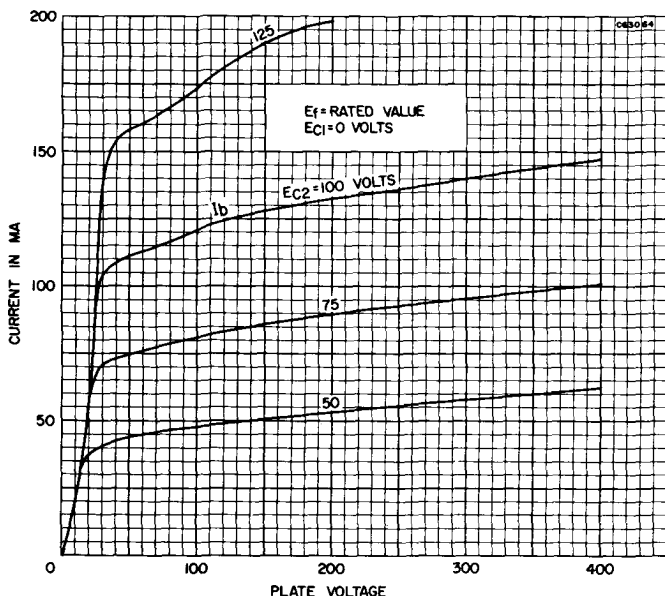


AVERAGE PLATE CHARACTERISTICS (Triode Section)

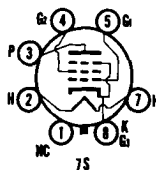
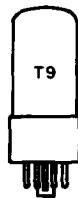


6K6GT

AUDIO POWER AMPLIFIER

Power Pentode

ConstructionOctal T-9
BaseOctal 6 or 7 Pin
Basing7S
Outline9-11 or 9-41
Maximum Diameter1.188 In.
Maximum Seated Height2.750 In.
Maximum Overall Height3.313 In.



ELECTRICAL DATA HEATER OPERATION

Heater Voltage.....	6.3 Volts
Heater Current	400 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak.....	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak.....	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Control Grid to Plate.....	0.5 Pf
Input	5.5 Pf
Output	6.0 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.)	315 Volts
Plate Dissipation (Max.)	8.5 Watts
Screen Voltage (Max.)	285 Volts
Screen Dissipation (Max.)	2.8 Watts
Positive Control Grid Voltage (Max.)	0 Volt

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage	100	250	315 Volts
Screen Voltage	100	250	250 Volts
Control Grid Bias Voltage ⁽¹⁾	-7	-18	-21 Volts
Peak AF Grid Voltage	7	18	21 Volts
Zero Signal Plate Current	9	32	25.5 Ma
Zero Signal Screen Current	1.6	5.5	4.0 Ma
Maximum Signal Plate Current	9.5	33	28 Ma
Maximum Signal Screen Current	3	10	9 Ma
Transconductance	1500	2300	2100 μ mhos
Plate Resistance (Approx.)	104,000	90,000	110,000 Ohms
Load Resistance	12,000	7600	9000 Ohms
Power Output	0.35	3.4	4.5 Watts
Total Harmonic Distortion	11	11	15 Percent

Push-Pull Class A1 Amplifier (Values for Two Tubes)

	Fixed Bias	Self Bias
Plate Voltage	285	285 Volts
Screen Voltage	285	285 Volts
Control Grid Bias Voltage ⁽¹⁾	-25.5	— Volts
Cathode Bias Resistor	—	400 Ohms
Peak AF Grid to Grid Voltage	51	51 Volts
Zero Signal Plate Current	55	55 Ma
Zero Signal Screen Current	9	9 Ma
Maximum Signal Plate Current	72	61 Ma
Maximum Signal Screen Current	17	13 Ma
Load Resistance (Plate to Plate)	12,000	12,000 Ohms
Maximum Signal Power Output	10.5	9.8 Watts
Total Harmonic Distortion	6	4 Percent

NOTE:

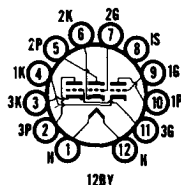
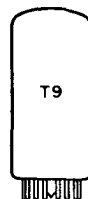
- (1) The DC resistance in the grid circuit under rated maximum conditions should not exceed 0.5 megohm for self-bias operation, and 0.1 megohm for fixed-bias operation.

AGC, SYNC CLIPPER and NOISE INVERTER

6K11/6Q11

Two High Mu Triodes and One Medium Mu Triode

Construction.....Compactron T-9
BaseButton 12 Pin, E12-70
Basing12BY
Outline9-56
Maximum Diameter1.188 In.
Maximum Seated Height1.500 In.
Maximum Overall Height1.846 In.

**ELECTRICAL DATA****HEATER OPERATION**

Heater Voltage	6.3 Volts
Heater Current	600 Ma
Heater Warm-up Time	11 Seconds
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	Section No. 1	Section No. 2	Section No. 3
Grid to Plate	1.3	1.3	1.3 Pf
Input: g to (h + k + IS)	1.9	1.8	1.8 Pf
Output: p to (h + k + IS)	1.8	0.7	1.8 Pf

RATINGS (Design Maximum Rating System)

	Section No. 1	Section No. 2 and No. 3
Plate Voltage (Max.)	330	330 Volts
Plate Dissipation (Max.)	2.75	0.3 Watts
Cathode Current (Max.)	20	— Ma
Positive Grid Voltage (Max.)	0	0 Volt
Negative Grid Voltage (Max.)	50	50 Volts