

6CU5**12C5/12CU5,
17C5/17CU5, 25C5, 50C5**

Color Television Type

AUDIO POWER AMPLIFIER**Beam Pentode**

Construction Miniature T-5½
 Base Button 7 Pin, E7-1
 Basing 7CV
 Outline 5-3
 Maximum Diameter 0.750 In.
 Maximum Seated Height 2.375 In.
 Maximum Overall Height 2.625 In.

**ELECTRICAL DATA
HEATER OPERATION**

	50C5	25C5	17C5/17CU5	12C5/12CU5
Heater Voltage.....	50	25	16.8	12.6
Heater Current	150	300	450	600
Heater Warm-up Time ..	—	—	11	11

Maximum Heater-Cathode Voltage

Heater Negative with Respect to Cathode

Total DC and Peak.....

Heater Positive with Respect to Cathode

DC.....

Total DC and Peak.....

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid to Plate

Input

Output

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)

Grid No. 2 Voltage (Max.)

Plate Dissipation (Max.)

Grid No. 2 Dissipation (Max.)

Positive Grid No. 1 Voltage (Max.)

Grid No. 1 Circuit Resistance

Fixed Bias (Max.)

Cathode Bias (Max.)

Bulb Temperature (Hottest Point) (Max.).....

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage

Grid No. 2 Voltage

Grid No. 1 Voltage

Peak AF Grid No. 1 Voltage

Zero-Signal Plate Current.....

Maximum-Signal Plate Current

Zero-Signal Grid No. 2 Current.....

Maximum-Signal Grid No. 2 Current

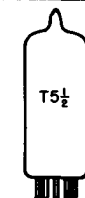
Transconductance

Plate Resistance (Approx.)

Load Resistance

Maximum-Signal Power Output.....

Total Harmonic Distortion (Approx.).....



6CU5
 6.3 Volts
 1200 Ma
 — Seconds

200 Volts

100 Volts

200 Volts

0.6 Pf

13 Pf

8.5 Pf

150 Volts

130 Volts

7.0 Watts

1.4 Watts

0 Volt

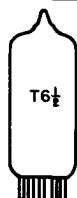
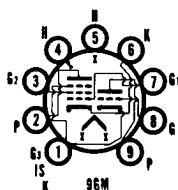
0.1 Megohm

0.5 Megohm

220 °C

6CU8**Medium Mu Triode
and Sharp Cutoff Pentode**

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing 9GM
 Outline 6-2
 Maximum Diameter 0.875 In.
 Maximum Seated Height 1.937 In.
 Maximum Overall Height 2.187 In.

**IF/VIDEO/AGC AMP. (T)
OSC./SYNC SEP. or CLIPPER (P)**

120 Volts
 110 Volts
 -8 Volts
 8 Volts
 49 Ma
 50 Ma
 4.0 Ma
 8.5 Ma
 7500 μmhos
 10,000 Ohms
 2500 Ohms
 2.3 Watts
 10 Percent