

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	0.6 Pf
Input	13 Pf
Output	8.5 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	150 Volts
Grid No. 2 Voltage (Max.)	130 Volts
Plate Dissipation (Max.)	7.0 Watts
Grid No. 2 Dissipation (Max.)	1.4 Watts
Positive Grid No. 1 Voltage (Max.)	0 Volt

Grid No. 1 Circuit Resistance

Fixed Bias (Max.)

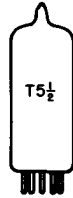
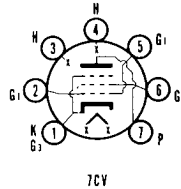
Cathode Bias (Max.)

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

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier

Plate Voltage	120 Volts
Grid No. 2 Voltage	110 Volts
Grid No. 1 Voltage	-8 Volts
Peak AF Grid No. 1 Voltage	8 Volts
Zero-Signal Plate Current.....	49 Ma
Maximum-Signal Plate Current	50 Ma
Zero-Signal Grid No. 2 Current.....	4.0 Ma
Maximum-Signal Grid No. 2 Current	8.5 Ma
Transconductance	7500 μmhos
Plate Resistance (Approx.)	10,000 Ohms
Load Resistance	2500 Ohms
Maximum-Signal Power Output.....	2.3 Watts
Total Harmonic Distortion (Approx.).....	10 Percent



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)

