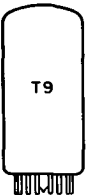
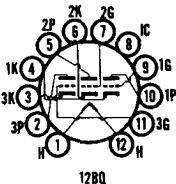


AMPLIFIER, PHASE INVERTER

6C10

Triple High Mu Triode

Construction.....Compactron T-9  
Base .....Button 12 Pin, E12-70  
Basing .....12BQ  
Outline .....9-56  
Maximum Diameter .....1.188 In.  
Maximum Seated Height .....1.500 In.  
Maximum Overall Height .....1.875 In.



ELECTRICAL DATA

HEATER OPERATION

|                                         |           |
|-----------------------------------------|-----------|
| Heater Voltage.....                     | 6.3 Volts |
| Heater Current.....                     | 600 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)

|                                | Section 1 | Section 2 | Section 3 |
|--------------------------------|-----------|-----------|-----------|
| Grid to Plate (g to p).....    | 1.7       | 1.7       | 1.7 Pf    |
| Input: g to (h + k + IS).....  | 1.6       | 1.6       | 1.6 Pf    |
| Output: p to (h + k + IS)..... | 0.30      | 0.24      | 0.34 Pf   |

RATINGS (Design Maximum Rating System) (Each Section)

|                                                  |             |
|--------------------------------------------------|-------------|
| Plate Voltage (Max.).....                        | 330 Volts   |
| Plate Dissipation (Max.).....                    | 1.0 Watt    |
| Total Plate Dissipation (All Plates) (Max.)..... | 3.0 Watts   |
| Positive DC Grid No. 1 Voltage.....              | 0 Volt      |
| Negative DC Grid No. 1 Voltage.....              | 50 Volts    |
| Grid Circuit Resistance                          |             |
| With Fixed Bias (Max.).....                      | 0.25 Megohm |
| With Cathode Bias (Max.).....                    | 1.0 Megohm  |

CHARACTERISTICS AND TYPICAL OPERATION (Each Section)

Class A1 Amplifier

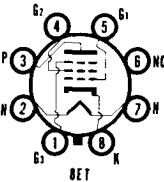
|                                 |        |                 |
|---------------------------------|--------|-----------------|
| Plate Voltage.....              | 100    | 250 Volts       |
| Grid Voltage.....               | -1.0   | -2.0 Volts      |
| Amplification Factor.....       | 100    | 100             |
| Plate Resistance (Approx.)..... | 80,000 | 62,500 Ohms     |
| Transconductance.....           | 1250   | 1600 $\mu$ mhos |
| Plate Current.....              | 0.5    | 1.2 Ma          |

AUDIO POWER AMPLIFIER

6CA7/EL34

Beam Pentode

Construction .....Octal, Metal  
Base .....Octal 8 Pin  
Basing .....8ET  
Outline .....  
Maximum Diameter .....1.500 In.  
Maximum Seated Height .....3.875 In.  
Maximum Overall Height .....4.438 In.



ELECTRICAL DATA

HEATER OPERATION

|                     |           |
|---------------------|-----------|
| Heater Voltage..... | 6.3 Volts |
| Heater Current..... | 1500 Ma   |