

**RATINGS (Design Maximum Rating System)**

**Pentode Section**

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Plate Voltage .....                  | 330 Volts                          |
| Screen Supply Voltage .....          | 330 Volts                          |
| Screen Voltage .....                 | See Rating Chart (Gen. Info. Sec.) |
| Positive DC Grid No. 1 Voltage ..... | 0 Volt                             |
| Plate Dissipation .....              | 4.0 Watts                          |
| Screen Dissipation .....             | 1.1 Watts                          |
| Grid No. 1 Circuit Resistance .....  |                                    |
| Fixed Bias .....                     | 1.0 Megohm                         |
| Cathode Bias .....                   | 1.0 Megohm                         |

**Triode (Section 1)**

|                                |            |
|--------------------------------|------------|
| Plate Voltage .....            | 330 Volts  |
| Positive DC Grid Voltage ..... | 0 Volt     |
| Plate Dissipation .....        | 1.5 Watts  |
| Grid Circuit Resistance .....  |            |
| Fixed Bias .....               | 0.5 Megohm |
| Cathode Bias .....             | 1.0 Megohm |

**Triode (Section 2)**

|                                |            |
|--------------------------------|------------|
| Plate Voltage .....            | 330 Volts  |
| Positive DC Grid Voltage ..... | 0 Volt     |
| Plate Dissipation .....        | 2.0 Watts  |
| Grid Circuit Resistance .....  |            |
| Fixed Bias .....               | 0.5 Megohm |
| Cathode Bias .....             | 1.0 Megohm |

**CHARACTERISTICS AND TYPICAL OPERATION**

**Pentode Section**

|                                    |     |                   |
|------------------------------------|-----|-------------------|
| Plate Voltage .....                | 35  | 135 Volts         |
| Screen Voltage .....               | 135 | 135 Volts         |
| Grid No. 1 Voltage .....           | 0   | — Volt            |
| Cathode Bias Resistor .....        | —   | 100 Ohms          |
| Plate Resistance (Approx.) .....   | —   | 45,000 Ohms       |
| Transconductance .....             | —   | 10,400 $\mu$ mhos |
| Plate Current .....                | 34  | 17 Ma             |
| Screen Current .....               | 13  | 4.0 Ma            |
| Grid No. 1 Voltage (Approx.) ..... |     |                   |
| I <sub>b</sub> = 100 $\mu$ a ..... | —   | -6 Volts          |

**Triode (Section 1)**

|                                    |                 |
|------------------------------------|-----------------|
| Plate Voltage .....                | 200 Volts       |
| Grid Voltage .....                 | -2.0 Volts      |
| Amplification Factor .....         | 68              |
| Plate Resistance (Approx.) .....   | 12,400 Ohms     |
| Transconductance .....             | 5500 $\mu$ mhos |
| Plate Current .....                | 7.0 Ma          |
| Grid Voltage (Approx.) .....       |                 |
| I <sub>b</sub> = 100 $\mu$ a ..... | -5.5 Volts      |

**Triode (Section 2)**

|                                    |                 |
|------------------------------------|-----------------|
| Plate Voltage .....                | 200 Volts       |
| Cathode Bias Resistor .....        | 220 Ohms        |
| Amplification Factor .....         | 41              |
| Plate Resistance (Approx.) .....   | 9400 Ohms       |
| Transconductance .....             | 4400 $\mu$ mhos |
| Plate Current .....                | 9.2 Ma          |
| Grid Voltage (Approx.) .....       |                 |
| I <sub>b</sub> = 100 $\mu$ a ..... | -6.5 Volts      |

14GT8A

FM DETECTOR  
AF AMPLIFIER

**Double Diode and High Mu Triode**

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

