

MECHANICAL DATA

|                             |                              |
|-----------------------------|------------------------------|
| Bulb . . . . .              | T-5½                         |
| Base . . . . .              | E7-1, Miniature Button 7-Pin |
| Outline . . . . .           | 5-2                          |
| Basing . . . . .            | 7BT                          |
| Cathode . . . . .           | Coated Unipotential          |
| Mounting Position . . . . . | Any                          |

ELECTRICAL DATA

HEATER CHARACTERISTICS

|                                                   |               |
|---------------------------------------------------|---------------|
| Heater Voltage . . . . .                          | 6.3 Volts     |
| Heater Current . . . . .                          | 150 Ma        |
| Heater-Cathode Voltage                            |               |
| Heater Negative with Respect to Cathode . . . . . | 90 Volts Max. |
| Heater Positive with Respect to Cathode . . . . . | 90 Volts Max. |

DIRECT INTERELECTRODE CAPACITANCES (Shielded) <sup>1</sup>

|                         |         |
|-------------------------|---------|
| Grid to Plate . . . . . | 1.8 μmf |
| Input . . . . .         | 1.7 μmf |
| Output . . . . .        | 1.5 μmf |

RATINGS (Design Center Values)

|                                             |                |
|---------------------------------------------|----------------|
| Plate Voltage . . . . .                     | 300 Volts Max. |
| Positive Grid No. 1 Voltage . . . . .       | 0 Volts Max.   |
| Diode Operation Current Per Plate . . . . . | 0.9 Ma Max.    |

AVERAGE CHARACTERISTICS

|                                           |        |             |
|-------------------------------------------|--------|-------------|
| Class A <sub>1</sub> Amplifier            |        |             |
| Plate Voltage . . . . .                   | 100    | 250 Volts   |
| Grid No. 1 Voltage <sup>2</sup> . . . . . | -1     | -3 Volts    |
| Plate Resistance (Approx.) . . . . .      | 61,000 | 58,000 Ohms |
| Transconductance . . . . .                | 1,150  | 1,200 μmhos |
| Plate Current . . . . .                   | 0.8    | 1.0 Ma      |

NOTES:

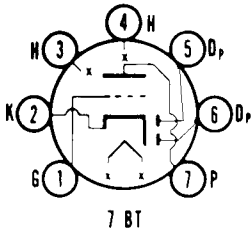
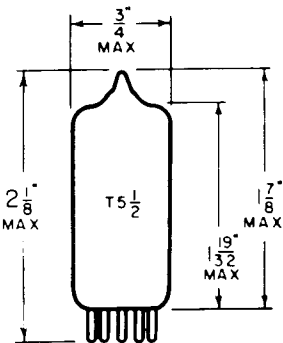
1. Shield No. 316 connected to cathode.

2. Diode biasing of the triode section is not recommended.

QUICK REFERENCE DATA

The Sylvania Type 6AQ6 is a miniature double diode high mu triode designed for service as a combined first audio amplifier, detector and AVC tube in radio receivers.

Characteristics of the 6AQ6 are identical to those of the 6AT6. However, the 6AQ6 employs a 150 Ma heater.



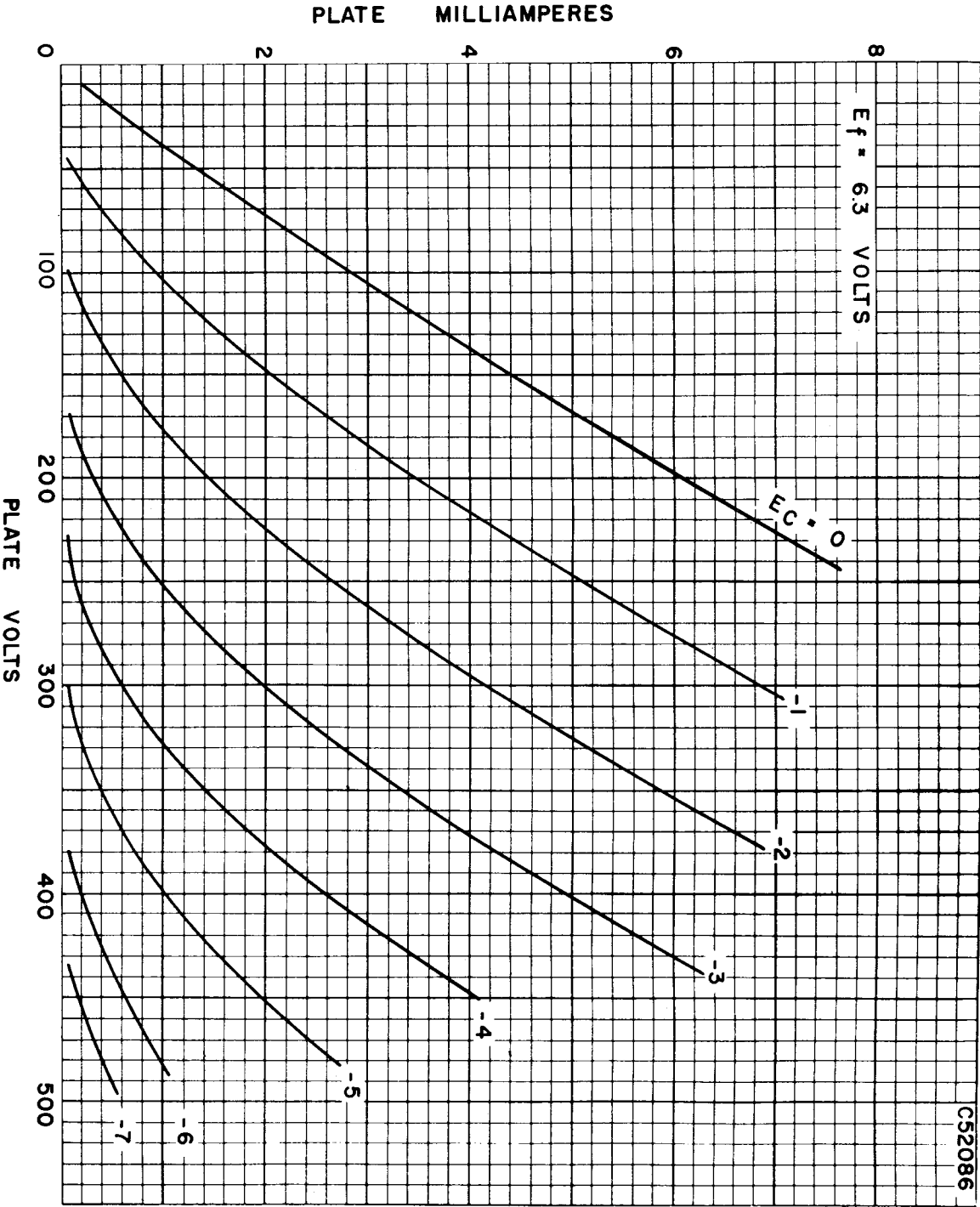
SYLVANIA ELECTRIC PRODUCTS INC.

RADIO TUBE DIVISION EMPORIUM, PA.

Prepared and Released By The TECHNICAL PUBLICATIONS SECTION EMPORIUM, PENNSYLVANIA

APRIL 1955

AVERAGE PLATE CHARACTERISTICS



AVERAGE DIODE OPERATION CHARACTERISTICS

