

**MECHANICAL DATA**

|                             |                         |
|-----------------------------|-------------------------|
| Bulb . . . . .              | T-6½                    |
| Base . . . . .              | E9-1 Small Button 9-Pin |
| Outline . . . . .           | 6-2                     |
| Basing . . . . .            | 9AX                     |
| Cathode . . . . .           | Coated Unipotential     |
| Mounting Position . . . . . | Any                     |

**ELECTRICAL DATA**

**HEATER CHARACTERISTICS**

|   |                |
|---|----------------|
| Heater Voltage . . . . .                          | 6.3 Volts      |
| Heater Current . . . . .                          | 450 Ma         |
| Peak Heater-Cathode Voltage                       |                |
| Heater Negative with Respect to Cathode . . . . . | 200 Volts Max. |
| Heater Positive with Respect to Cathode . . . . . | 200 Volts Max. |

**DIRECT INTERELECTRODE CAPACITANCES (Unshielded)**

|   |        |
|---|--------|
| Plate No. 1 to Cathode No. 1,<br>Heater and Internal Shield . . . . . | 3.5 μf |
| Plate No. 2 to Cathode No. 2,<br>Heater and Internal Shield . . . . . | 5.5 μf |
| Plate No. 3 to Cathode No. 3,<br>Heater and Internal Shield . . . . . | 3.5 μf |

**RATINGS (Design Center Values — Each Section)**

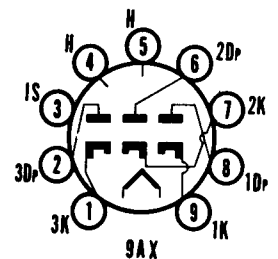
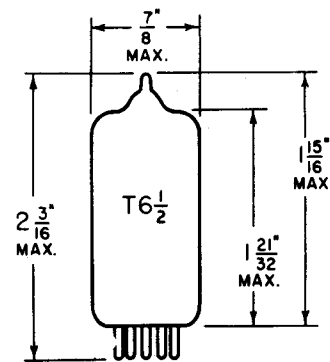
|                                      |                |
|--------------------------------------|----------------|
| Peak Inverse Plate Voltage . . . . . | 330 Volts Max. |
| DC Output Current . . . . .          | 12 Ma Max.     |
| Peak Plate Current . . . . .         | 54 Ma Max.     |

**CHARACTERISTICS**

|   |            |
|---|------------|
| Plate Current at $E_b = 5$ Volts                        |            |
| Diode No. 1 . . . . .                                   | 35 Ma      |
| Diode No. 3 . . . . .                                   | 35 Ma      |
| Plate Current at $E_b = 0$ Volts                        |            |
| Diode No. 1 . . . . .                                   | 21 μa Max. |
| Diode No. 3 . . . . .                                   | 21 μa Max. |
| Plate Current Ratio at $E_b = 5$ Volts                  |            |
| Diode No. 1:No. 3 and/or<br>Diode No. 3:No. 1 . . . . . | 1.3 Max.   |

**QUICK REFERENCE DATA**

The Sylvania Type 6BC7 is a miniature triple diode featuring separate unipotential cathodes for each section.



**SYLVANIA ELECTRIC PRODUCTS INC.**

**RADIO TUBE DIVISION  
EMPORIUM, PA.**

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## AVERAGE PLATE CHARACTERISTICS

