

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,	
Heater and Internal Shield	3.5 μf
Plate No. 2 to Cathode No. 2,	
Heater and Internal Shield	5.5 μf
Plate No. 3 to Cathode No. 3,	
Heater and Internal Shield	3.5 μf

RATINGS (Design Center Values — Each Section)

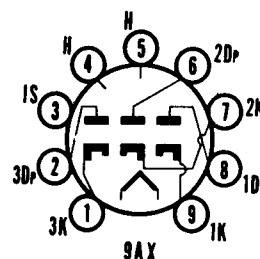
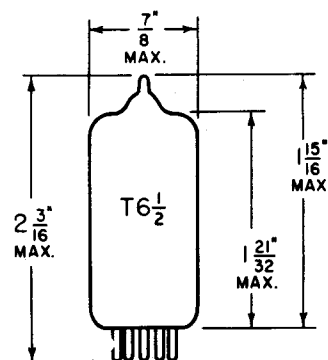
Peak Inverse Plate Voltage	330 Volts Max.
DC Output Current	12 Ma Max.
Peak Plate Current	54 Ma Max.

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	
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.

*Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA*

APRIL 1955

PAGE 1 OF 2

AVERAGE PLATE CHARACTERISTICS

