MECHANICAL DATA

Bulb .................................................. T-12
Base .................................................. B8-71, Short Jumbo Shell Octal, 8-Pin
Top Cap ................................................ C1-1, Small
Outline ................................................ See Drawing
Basing .................................................. 8G
Cathode ................................................ Coated Unipotential
Mounting Position .................................. Any

ELECTRICAL DATA

HEATER CHARACTERISTICS
Heater Voltage, A.C. .................................. 3.15 Volts
Heater Current ......................................... 220 Ma

DIRECT INTERELECTRODE CAPACITANCES (Approx.)
Plate to (h + k + I.S.) .................................. 1.8 µf

RATINGS (Design Center Values — Except as Noted)
Pulsed Rectifier Service¹
Inverse Plate Voltage
   Total DC and Peak, Abs. Max. .................. 35000 Volts
   DC .................................................. 25000 Volts Max.
Peak Plate Current .................................. 80 Ma Max.
Average Plate Current ............................... 1.1 Ma Max.

CHARACTERISTICS
Tube Drop with D.C.
   Plate Current of 7 Ma ............................ 135 Volts

NOTES:

1. For operation in a 525 line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations: Federal Communications Commission".

2. Pins 1, 3, 5 and 7 may be connected together. Pins 2, 6 and 8 may be connected together. Pin 4 may be connected to either pin 2 or pin 7, or may be used as a tie point for a heater dropping resistor. Do not use pin 4 as a low potential tie point.

QUICK REFERENCE DATA

The Sylvania Type 3B2 is a half-wave, high voltage rectifier contained in a T-12 envelope. It is designed for application as a high voltage rectifier in color television receivers.
AVERAGE PLATE CHARACTERISTICS

\[ E_f = \text{RATED VALUE} \]

- Current in Milliamperes
- Plate Voltage

Graph showing the relationship between current and plate voltage.