

MECHANICAL DATA

Bulb	T-6 $\frac{1}{2}$
Base ¹	E9-1, Miniature Button 9-Pin
Outline	6-7
Basing	9Y
Cap	Skirted Miniature, Cl-2 or Cl-33
Cathode	Coated Filament
Mounting Position	Any

ELECTRICAL DATA

FILAMENT CHARACTERISTICS AND RATINGS

Average Characteristics		
Filament Voltage ²		2.1 Volts
Filament Current		275 Ma
Ratings (Design Maximum Values) ³	Min.	Max.
Filament Voltage ⁴	1.75	2.45 Volts

DIRECT INTERELECTRODE CAPACITANCES (APPROX.)

Plate To All (p to f+is)	1.1 pf
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AVERAGE CHARACTERISTICS

Tube Drop (Approx.) With 7 Ma Plate Current	70 Volts
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RATINGS - FLYBACK VOLTAGE RECTIFIER^{3,5}

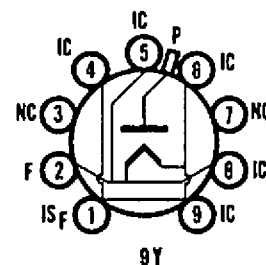
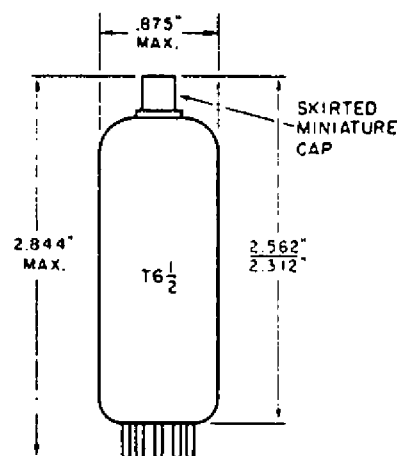
Inverse Plate Voltage		
Total DC and Peak	22 KV	Max.
DC	18 KV	Max.
Peak Plate Current	45 Ma	Max.
Average Plate Current	0.5 Ma	Max.

NOTES:

1. Socket terminals 3 and 7 may be used as tie points for component at or near filament potential.
2. The equipment shall be so designed that the filament voltage is centered at the specified value.
3. Design Maximum Ratings are limiting values of operating and environmental conditions applicable to a bogey electron tube of a specified type as defined by its published data, and should not be exceeded under the worst probable conditions.

QUICK REFERENCE DATA

The Sylvania Type 2A22 is a miniature filament type diode designed for use as a high voltage rectifier in television receivers and other high voltage rectifier applications. It is applicable for use in both flyback and RF types of supplies as well as for use at power line frequency.



SYLVANIA ELECTRIC PRODUCTS INC.

Electronic Components Group
ELECTRONIC TUBE DIVISION
EMPORIUM, PA.

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NOTES: (Cont'd.)

3. (Cont'd.)

The tube manufacturer chooses these values to provide acceptable serviceability of the tube, making allowance for the effects of changes in operating conditions due to variations in the characteristics of the tube under consideration.

The equipment manufacturer should design so that initially and throughout life no design maximum value for the intended service is exceeded with a bogey tube under the worst probable operating conditions with respect to supply voltage variation, equipment component variation, equipment control adjustment, load variation, signal variation, environmental conditions, and variation in the characteristics of all other electron devices in the equipment.

4. Filament supply variations shall be restricted to maintain filament voltage within the specified values.

5. For operation in a 525 line, 30 frame system as described in Standards of Good Engineering Practice of Television Broadcasting Stations. Federal Communications Commission. The duty cycle of the voltage pulse is not to exceed 15% of a scanning cycle.

This tube may produce soft X-rays which can constitute a health hazard unless adequately shielded.