



SYLVANIA

engineering data service

2PA2

MECHANICAL DATA

Bulb T-6 $\frac{1}{2}$
Base E9-1, Miniature Button 9-Pin
Outline 6-2
Cathode Coated Filament
Mounting Position Any
Basing¹ 9U
Pin - 1 - Plate
Pin - 2 - Internal Connection
Pin - 3 - Internal Connection
Pin - 4 - Filament
Pin - 5 - Filament
Pin - 6 - Internal Connection
Pin - 7 - Internal Connection
Pin - 8 - Internal Connection
Pin - 9 - Plate

ELECTRICAL DATA

FILAMENT CHARACTERISTICS

Filament Voltage² 1.8 Volts
Filament Current 300 Ma

DIRECT INTERELECTRODE CAPACITANCE (Unshielded)

Plate to Filament (Approx.) 0.8 pf

RATINGS (Design Maximum Values)

Flyback Voltage Rectifier³

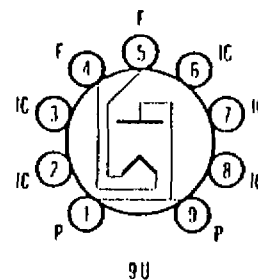
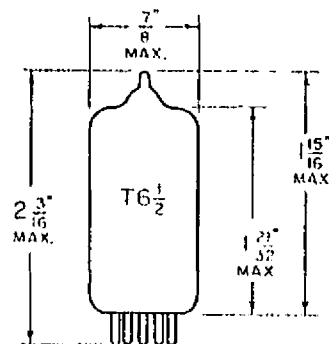
Inverse Plate Voltage
Total DC and Peak (Abs. Max.) 8250 Volts Max.
DC 7000 Volts Max.
Peak Plate Current 50 Ma Max.
Average Plate Current 0.6 Ma Max.

CHARACTERISTICS

Tube Drop for $I_b = 6.5$ Ma (Approx.) 55 Volts

QUICK REFERENCE DATA

The Sylvania Type 2PA2 is a filamentary half-wave diode intended for service as a focus rectifier in color television receivers.



SYLVANIA ELECTRIC
PRODUCTS INC.

Electronic Components Group
ELECTRONIC TUBE DIVISION
EMPORIUM, PA.

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NOTES:

1. Socket terminals 2, 3, 7, and 8 shall not be used. Terminal 6 may be used as a tie point for components at or near filament potential.
2. Under no circumstances should the filament voltage be less than 1.5 volts or more than 2.1 volts.
3. For operation in a 525-line, 30-frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one scanning cycle.