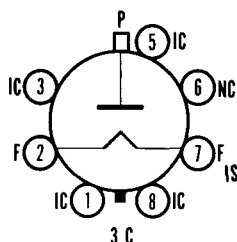


SYLVANIA TYPE 1N2A **HV HALF-WAVE RECTIFIER**



MECHANICAL DATA

Bulb.....	T-12
Base ¹	B7-227, Short Medium Shell Octal, 7-Pin
Cap.....	C1-34
Outline.....	See Drawing
Basing ¹	3C
Cathode.....	Coated Filament
Mounting Position.....	Any

ELECTRICAL DATA

FILAMENT CHARACTERISTICS AND RATINGS

Average Characteristics	Parallel Operation
Filament Voltage ²	1.25 Volts
Filament Current.....	200 Ma
Ratings (Design Maximum Values)	Min.-Max.
Filament Voltage ³	1.05-1.45 Volts

DIRECT INTERELECTRODE CAPACITANCE

Plate to Filament and Internal Shield.....	1.4 μ f
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RATINGS (Design Maximum System)

Flyback Voltage Rectifier ⁴	
Inverse Plate Voltage	
Total D C and Peak.....	28,000 Volts Max.
D C.....	24,000 Volts Max.
Peak Plate Current.....	50 Ma Max.
Average Plate Current.....	0.5 Ma Max.

CHARACTERISTICS

Tube Drop for $I_b = 7$ Ma (approx.).....	100 Volts
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NOTES:

1. Socket terminals 1, 3, 4, 5, 6 and 8 may be connected to terminal 7 or to a corona shield which connects to terminal 7. Terminals 4 and 6 may be used as tie points at or near filament potential.
2. The equipment shall be designed that the filament voltage is centered at the specified bogey value.
3. Filament supply variations shall be restricted to maintain filament voltage within the specified values.
4. 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 per cent of one scanning cycle.

APPLICATION

The Sylvania Type 1N2A is a filamentary half-wave diode intended for service as the high voltage rectifier in television receivers and other high voltage rectifier applications.

SYLVANIA TYPE 1N2A (Cont'd)

AVERAGE PLATE CHARACTERISTICS

