



1X2-A

Description and Rating

HALF-WAVE HIGH-VOLTAGE RECTIFIER

GENERAL DESCRIPTION

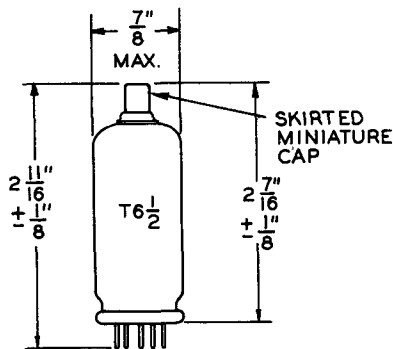
Principal Application: The 1X2-A is a miniature half-wave rectifier designed for use in television receivers as the high-voltage rectifier to supply

Cathode: Coated Filament
 Filament Voltage 1.25 Volts
 Filament Current 0.20 Ampere
 Envelope: T-6½ Glass
 Base: E9-1, Small Button 9-Pin

power to the anode of the television picture tube. The 1X2-A is intended primarily for use in fly-back types of power supplies.

Top Cap: C1-2, Skirted Miniature
 or C1-33, Skirted Miniature
 Mounting Position: Any
 Direct Interelectrode Capacitance:
 Plate to Filament 1.0 $\mu\mu\text{f}$

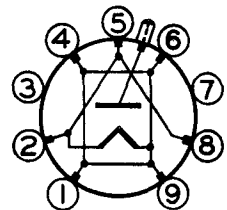
PHYSICAL DIMENSIONS



TERMINAL CONNECTIONS

- Pin 1 - Filament and Internal Shield
- Pin 2 - Filament
- Pin 3 - No Connection*
- Pin 4 - Same as Pin 1
- Pin 5 - Same as Pin 2
- Pin 6 - Same as Pin 1
- Pin 7 - No Connection*
- Pin 8 - Same as Pin 2
- Pin 9 - Same as Pin 1
- Cap - Plate

BASING DIAGRAM



RMA 9Y
 BOTTOM VIEW

MAXIMUM RATINGS AND CHARACTERISTICS

DESIGN CENTER VALUES:

Peak Inverse Plate Voltage (Maximum)#	20000	Volts
Peak Plate Current (Maximum).	10	Milliamperes
D-C Output Current (Maximum).	1.0	Milliampere

Tube Voltage Drop:

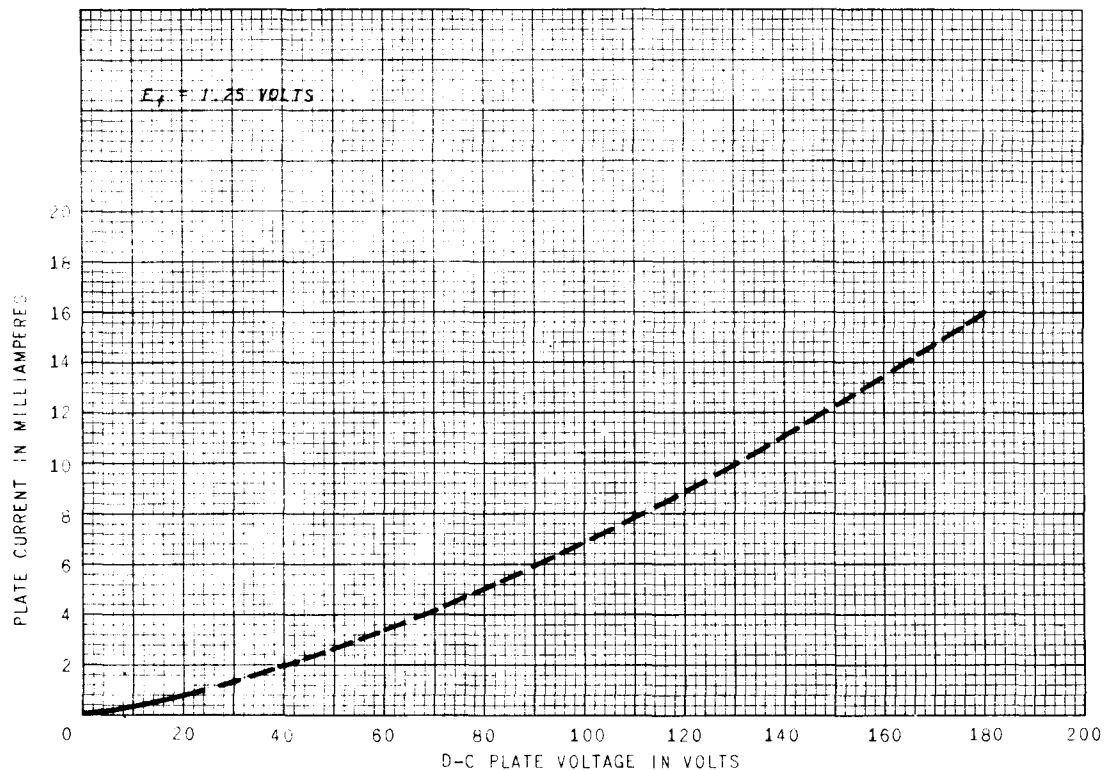
Measured with Applied D-C at 7 Milliamperes 100 Volts

* May be used as tie-point for filament dropping resistor and high-voltage filter resistor or may be connected to filament. Do not connect to any other circuits.

Value given is to be considered as the absolute maximum voltage beyond which the serviceability of the tube may be impaired from the viewpoint of life and satisfactory performance.

Note: The voltages employed in some television receivers and other high-voltage equipment are sufficiently high that high-voltage rectifier tubes may produce soft x-rays which can constitute a health hazard, unless such tubes are adequately shielded. Relatively simple shielding should prove adequate, but the need for this precaution should be considered in equipment design.

AVERAGE PLATE CHARACTERISTICS



Tube Divisions, Electronics Department

GENERAL  ELECTRIC

Schenectady, N. Y.