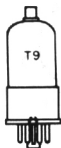
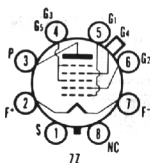


TYPE 1A6

(See Condensed Data Section)



SYLVANIA TYPE 1A7GT HEPTODE CONVERTER



MECHANICAL DATA

| | |
|------------------------|---|
| Bulb..... | T-9, Outline 9-18 |
| Base..... | Small Wafer Octal 8-Pin With Metal Sleeve |
| Basing..... | 7Z |
| Top Cap..... | Miniature |
| Mounting Position..... | Any |

ELECTRICAL DATA

FILAMENT CHARACTERISTICS

| | |
|---------------------------|-----------|
| Filament Voltage D C..... | 1.4 Volts |
| Filament Current..... | 50 Ma |

MAXIMUM RATINGS (Design Center Values)

| | |
|--------------------------------------|-----------|
| Plate Voltage..... | 110 Volts |
| Grid No. 2 Voltage..... | 110 Volts |
| Grid No. 3 and 5 Voltage..... | 60 Volts |
| Grid No. 3 and 5 Supply Voltage..... | 110 Volts |
| Cathode Current..... | 4.0 Ma |

TYPICAL OPERATION

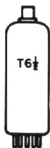
| | |
|--|----------------|
| Plate Voltage..... | 90 Volts |
| Grid No. 3 and 5 Voltage ¹ | 45 Volts |
| Grid No. 2 Voltage..... | 90 Volts |
| Grid No. 4 Voltage (Control Grid) ² | 0 Volts |
| Grid No. 1 Resistor (Osc. Grid)..... | 0.2 Megohm |
| Plate Current..... | 0.6 Ma |
| Grid No. 3 and 5 Current..... | 0.7 Ma |
| Grid No. 2 Current..... | 1.2 Ma |
| Grid No. 1 Current..... | 0.035 Ma |
| Plate Resistance..... | 0.6 Megohm |
| Total Cathode Current..... | 2.5 Ma |
| Conversion Transconductance | |
| Grid No. 4 Voltage at 0 Volts..... | 250 μ mhos |
| Grid No. 4 Voltage at -2 Volts..... | 50 μ mhos |
| Grid No. 4 Voltage at -3 Volts..... | 5 μ mhos |

NOTES:

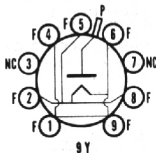
- Obtained preferably by using a properly by-passed 70,000 ohm resistor in series with a 90 volt supply.
- A resistance of at least 1.0 megohm should be in the grid return to negative filament pin.

TYPES 1AB5, 1AF4, 1AF5

(See Condensed Data Section)



SYLVANIA TYPE 1AX2 HIGH VOLTAGE HALF-WAVE RECTIFIER



MECHANICAL DATA

| | |
|------------------------|------------------------|
| Bulb..... | T-6 1/2, Outline 6A-2 |
| Base..... | Miniature Button 9-Pin |
| Basing..... | 9Y |
| Top Cap..... | Skirted Miniature |
| Mounting Position..... | Any |