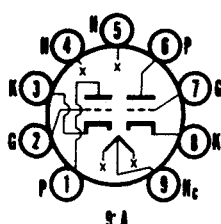


SYLVANIA TYPE 12BZ7 HIGH-MU TWIN TRIODE



MECHANICAL DATA

Bulb.....	T-6 1/2
Base.....	E9-1, Small Button 9-Pin
Outline.....	6-3
Basing.....	9A
Cathode.....	Coated Unipotential
Mounting Position.....	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Series/Parallel.....	12.6/6.3 Volts
Heater Current Series/Parallel.....	300/600 Ma
Maximum Heater-Cathode Voltage.....	
Heater Negative with Respect to Cathode.....	180 Volts Max.
Heater Positive with Respect to Cathode.....	180 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	Section 1	Section 2
Grid to Plate.....	2.5	2.5 $\mu\mu\text{f}$
Input.....	6.5	6.5 $\mu\mu\text{f}$
Output.....	0.7	0.55 $\mu\mu\text{f}$
Plate to Plate.....	1.3	$\mu\mu\text{f}$

MAXIMUM RATINGS (Design Center Values) Each Section

Plate Voltage.....	300 Volts
Plate Dissipation.....	1.5 Watts
Positive D C Grid Voltage.....	0 Volts
Negative D C Grid Voltage.....	50 Volts
Grid No. 1 Circuit Resistance ¹	5.0 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Class A₁ Amplifier—Each Section

Plate Voltage.....	250 Volts
Grid Voltage.....	-2 Volts
Plate Current.....	2.5 Ma
Plate Resistance.....	31,800 Ohms
Transconductance.....	3200 μmhos
Amplification Factor.....	100

SYLVANIA TYPE 12BZ7 (Cont'd)

NOTES:

1. Maximum Value that can be used where Grid No. 1 bias is developed by means of contact potential.

APPLICATION

The Sylvania Type 12BZ7 is a miniature high mu twin triode designed primarily for use as a sync separator and sync amplifier in television receivers. It is also useful in clipping circuits and as a general purpose audio amplifier.

AVERAGE PLATE CHARACTERISTICS

