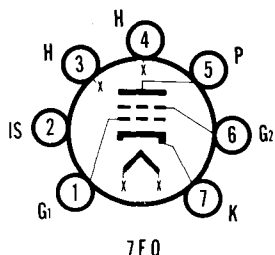




SYLVANIA TYPE 6FV6



MECHANICAL DATA

Bulb.....	T-5 1/2
Base.....	E7-1, Miniature Button 7-Pin
Outline.....	5-2
Basing.....	7FQ
Cathode.....	Coated Unipotential
Mounting Position.....	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage.....	6.3 Volts
Heater Current.....	200 Ma
Peak Heater-Cathode Voltage (Design Maximum Values) ²	
Heater Negative with Respect to Cathode	
Total D C and Peak.....	200 Volts Max.
Heater Positive with Respect to Cathode	
D C.....	100 Volts Max.
Total D C and Peak.....	200 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Shielded)³

Grid No. 1 to Plate.....	0.03 μ mf Max.
Input.....	4.5 μ mf
Output.....	3.0 μ mf

MAXIMUM RATINGS (Design Maximum Values)

Plate Voltage.....	275 Volts
Grid No. 2 Supply Voltage.....	180 Volts
Grid No. 2 Voltage.....	See 6AM8 Rating Chart
Positive Grid No. 1 Voltage.....	0 Volts
Plate Dissipation.....	2.0 Watts
Grid No. 2 Input.....	0.5 Watts
Cathode Current.....	20 Ma
Grid No. 1 Circuit Resistance (Self Bias).....	0.5 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage.....	125 Volts
Grid No. 2 Voltage.....	80 Volts
Grid No. 1 Voltage.....	-1 Volt
Plate Current.....	10 Ma
Grid No. 2 Current.....	1.5 Ma
Transconductance.....	8000 μ mhos
Plate Resistance.....	0.1 Megohm
Ec1 for Ib = 20 μ a (approx.).....	-6 Volts

NOTES:

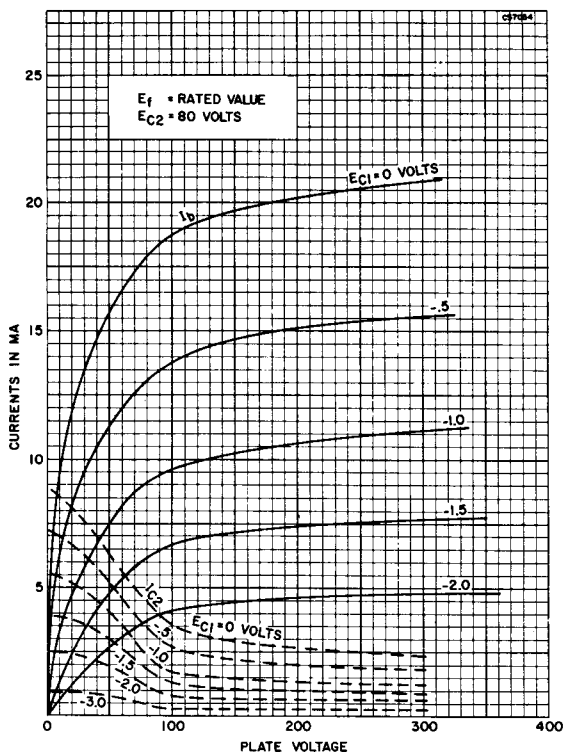
1. Heater warm-up time is defined as the time required for the voltage across the heater to reach 80% of its rated value after applying four (4) times rated heater voltage to a circuit consisting of the tube heater in series with a resistance equal to three (3) times the rated heater voltage divided by the rated heater current.
2. Design-Maximum Ratings are limiting values of operating and environmental conditions applicable to a bogey electron device of a specified type as defined by its published data, and should not be exceeded under the worst probable conditions.
The device manufacturer chooses these values to provide acceptable serviceability of the device, taking responsibility for the effects of changes in operating conditions due to variations in device characteristics.
The equipment manufacturer should design so that initially and throughout life no design-maximum value for the intended service is exceeded with a bogey device under the worst probable operating conditions with respect to supply-voltage variation, equipment component variation, equipment control adjustment, load variation, signal variation, and environmental conditions.
3. Shield No. 316 connected to cathode.

APPLICATION

The Sylvania Type 6FV6 is a miniature, sharp cutoff tetrode designed particularly for service as a vhf amplifier in television tuners.

SYLVANIA TYPE 6FV6 (Cont'd)

AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

