MECHANICAL DATA
- Bulb: T-5½
- Base: E7-1, Miniature Button 7-Pin
- Outline: 5-2
- Basing: 7FO
- 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)
  - Heater Negative with Respect to Cathode Total D C and Peak: 200 Volts Max.
  - Heater Positive with Respect to Cathode Total D C and Peak: 100 Volts Max.
  - Total D C and Peak: 200 Volts Max.

**Direct Inter-electrode Capacitances (Shielded)**
- Grid No. 1 to Plate: 0.03 µf Max.
- Input: 4.5 µf
- Output: 3.0 µf

**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 µmhos
- Plate Resistance: 0.1 Megohm
- E1f for lb = 20 µa (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.
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.