SYLVANIA TYPE 6DC6
SEMI-REMOTE PENTODE

MECHANICAL DATA

Bulb: T-5½
Base: 7-1, Miniature Button 7-Pin
Outline: 5-2
Basing: 7CM
Cathode: Coated Unipotential
Mounting Position: Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage: 6.3 Volts
Heater Current: 300 Ma
Heater-Cathode Voltage (Design Center Values)
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 (Unshielded)

Grid No. 1 to Plate: 0.02 µF Max.
Input: 6.5 µF
Output: 2.0 µF

RATINGS (Design Center Values)

Plate Voltage: 300 Volts Max.
Grid No. 2 Supply Voltage: 300 Volts Max.
Grid No. 2 Voltage: See 6AM8 Rating Chart
Grid No. 3 Voltage: 0 Volts Max.
Grid No. 1 Voltage: 0 Volts Max.
Plate Dissipation: 2 Watts Max.
Grid No. 2 Input: 0.5 Watt Max.
Grid No. 1 Circuit Resistance: 0.25 Megohm Max.
Fixed Bias: 1.0 Megohm Max.
Self Bias: 1.0 Megohm Max.

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage: 200 Volts
Grid No. 3: Connected to Cathode at Socket
Grid No. 2 Voltage: 150 Volts
Cathode Bias Resistor: 180 Ohms
Plate Current: 9 Ma
Grid No. 2 Current: 3 Ma
Plate Resistance (approx.): 0.5 Megohm
Transconductance: 5500 µmhos
Grid No. 1 Bias (approx.) for gm = 50 µmhos: -12.5 Volts

APPLICATION

The Sylvania Type 6DC6 is a semi-remote cutoff pentode contained in a T-5½ bulb. It is designed for service in the IF stages of color and monochrome television receivers and may be used in the tuners of such sets as R-F amplifiers.