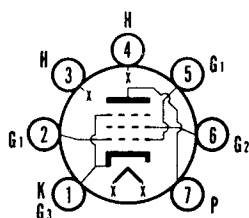


SYLVANIA TYPE 12CN5 SHARP CUTOFF PENTODE



MECHANICAL DATA

7CV

Bulb.....	T-5½
Base.....	E7-1, Miniature Button 7-Pin
Outline.....	5-3
Basing.....	7CV
Cathode.....	Coated Unipotential
Mounting Position.....	Any

12CN5 (Cont'd)

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage ¹	12.6 Volts
Heater Current.....	450 Ma
Heater-Cathode Voltage (Design Center Values)	
Heater Negative with Respect to Cathode.....	16 Volts Max.
Heater Positive with Respect to Cathode.....	16 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES

	Shielded	Unshielded
Grid No. 1 to Plate.....	0.2	0.25 μ f Max.

MAXIMUM RATINGS (Design Center Values)

Plate Voltage.....	16 Volts
Grid No. 2 Voltage.....	16 Volts
Positive Grid No. 1 Voltage.....	0 Volts
Grid No. 1 Circuit Resistance.....	2.2 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage.....	12.6 Volts
Grid No. 2 Voltage.....	12.6 Volts
Grid No. 1 Voltage ²	
Grid No. 1 Resistor.....	2.2 Megohms
Plate Current.....	4.5 Ma
Grid No. 2 Current.....	0.35 Ma
Transconductance.....	3800 μ mhos
Plate Resistance (approx.).....	40,000 Ohms

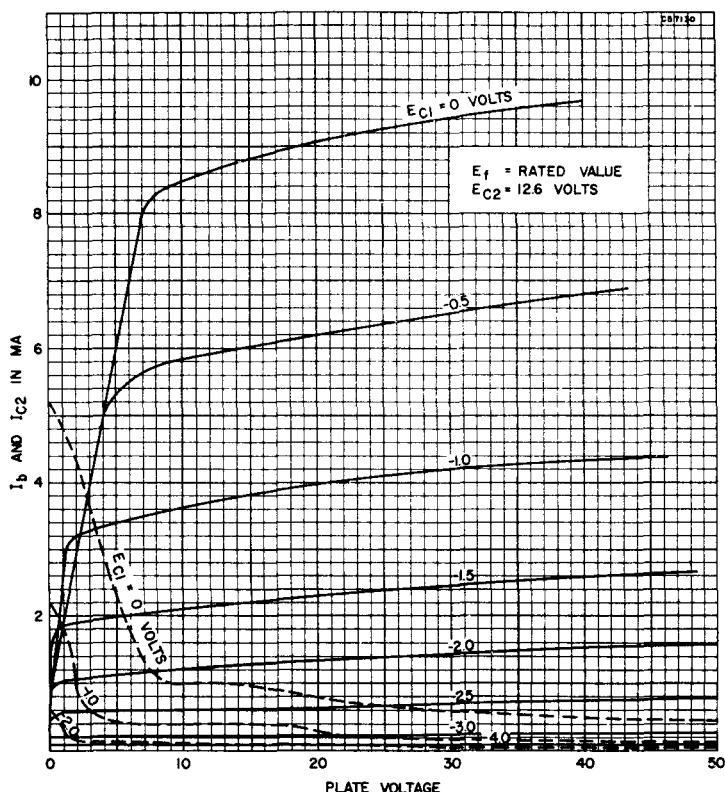
NOTES:.

1. This tube is intended for use in automobile radios operated from a nominal 12-volt battery. Design of the tube is such that the heater will operate satisfactorily over the range 10.0 volts to 15.9 volts, and that the maximum ratings provide a safety factor for the wide voltage variation encountered with this type of supply.
2. Average contact potential bias developed across the specified grid resistor.

APPLICATION

The Sylvania Type 12CN5 is a miniature sharp-cutoff pentode intended for use as an I F amplifier in automobile radio receivers. It is designed primarily to operate where the heater, plate, and screen voltages are obtained directly from a 12-volt automotive storage battery.

AVERAGE PLATE CHARACTERISTICS



12CN5 (Cont'd)

AVERAGE TRANSFER CHARACTERISTICS

