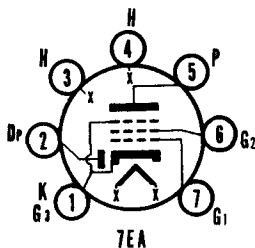




SYLVANIA TYPE 6CR6 12CR6

DIODE DETECTOR
REMOTE CUTOFF PENTODE



MECHANICAL DATA

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

ELECTRICAL DATA

HEATER CHARACTERISTICS

	6CR6	12CR6
Heater Voltage	6.3	12.6 Volts
Heater Current	300	150 Ma
Heater-Cathode Voltage (Design Center Values)		
Heater Negative with Respect to Cathode		100 Volts Max.
Heater Positive with Respect to Cathode		100 Volts Max.

MAXIMUM RATINGS (Design Center Values)

Plate Voltage	300 Volts
Grid No. 2 Supply Voltage	300 Volts
Grid No. 2 Voltage	See 6AM8 Rating Chart
Plate Dissipation	2.5 Watts
Grid No. 2 Dissipation	0.3 Watt
Positive D C Grid No. 1 Voltage	0 Volts
Grid No. 1 Circuit Resistance	1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

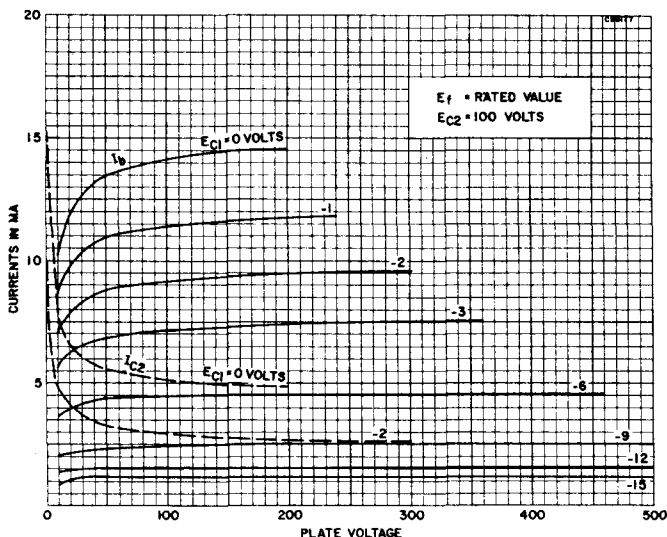
Class A₁ Amplifier

Plate Voltage	250 Volts
Grid No. 2 Voltage	100 Volts
Grid No. 1 Voltage	-2 Volts
Plate Current	9.6 Ma
Grid No. 2 Current	2.6 Ma
Transconductance	2200 μ mhos
Plate Resistance (approx.)	0.8 Megohm
Grid No. 1 Voltage for $G_m = \mu$ mhos (approx.)	-32 Volts
Minimum Diode Current with 10 Volts D C Applied	2 Ma

APPLICATION

The Sylvania Types 6CR6 and 12CR6 have a diode detector and remote cutoff pentode contained in one envelope. The pentode section is intended for use as an audio amplifier in which AVC voltage is applied to the No. 1 Grid for improved AVC operation in receivers.

AVERAGE PLATE CHARACTERISTICS



6CR6, 12CR6 (Cont'd)

AVERAGE TRANSFER CHARACTERISTICS

