



12CR6

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DIODE-REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 12.6 ac or dc volts
 Current. 0.15 amp

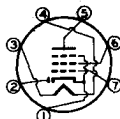
Mechanical:

Mounting Position. Any
 Maximum Overall Length. 2-1/8"
 Maximum Seated Length. 1-7/8"
 Length, Base Seat to Bulb Top (Excluding tip). . 1-1/2" $\pm$ 3/32"
 Maximum Diameter. 3/4"
 Dimensional Outline. See General Section
 Bulb. T-5-1/2
 Base. Small-Button Miniature 7-Pin (JETEC No.E7-1)
 Basing Designation for BOTTOM VIEW. 7EA

Pin 1-Cathode,
 Pentode
 Grid No.3

Pin 2-Diode
 Plate

Pin 3-Heater
 Pin 4-Heater



Pin 5-Pentode
 Plate

Pin 6-Pentode
 Grid No.2

Pin 7-Pentode
 Grid No.1

PENTODE UNIT - Class A₁ Amplifier

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts
 GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE. . 300 max. volts
 GRID-No.2 VOLTAGE. See Grid-No.2 Input Rating Chart
 at front of Receiving Tube Section

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Positive bias value. 0 max. volts

PLATE DISSIPATION. 2.5 max. watts

GRID-No.2 INPUT:

For grid-No.2 voltages up to 150 volts. 0.3 max. watt

For grid-No.2 voltages between 150

and 300 volts. See Grid-No.2 Input Rating Chart
 at front of Receiving Tube Section

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 100 max. volts

Heater positive with respect to cathode. 100 max. volts

Characteristics:

Plate Voltage. 250 volts
 Grid-No.2 Voltage. 100 volts
 Grid-No.1 Voltage. -2 volts
 Plate Resistance (Approx.) 0.8 megohm
 Transconductance 2200 μ mhos



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Plate Current.	9.6	ma
Grid-No.2 Current.	2.6	ma
Grid-No.1 Voltage (Approx.) for transconductance of 10 μ mhos	-32	volts

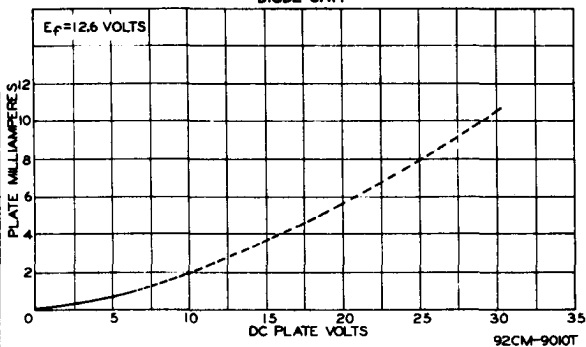
Maximum Circuit Values:

Grid-No.1-Circuit Resistance:

For cathode-bias operation	1.0 max.	megohm
For fixed-bias operation	0.25 max.	megohm

DIODE UNIT**Maximum Ratings, Design-Center Values:**

PLATE CURRENT.	1.0 max.	ma
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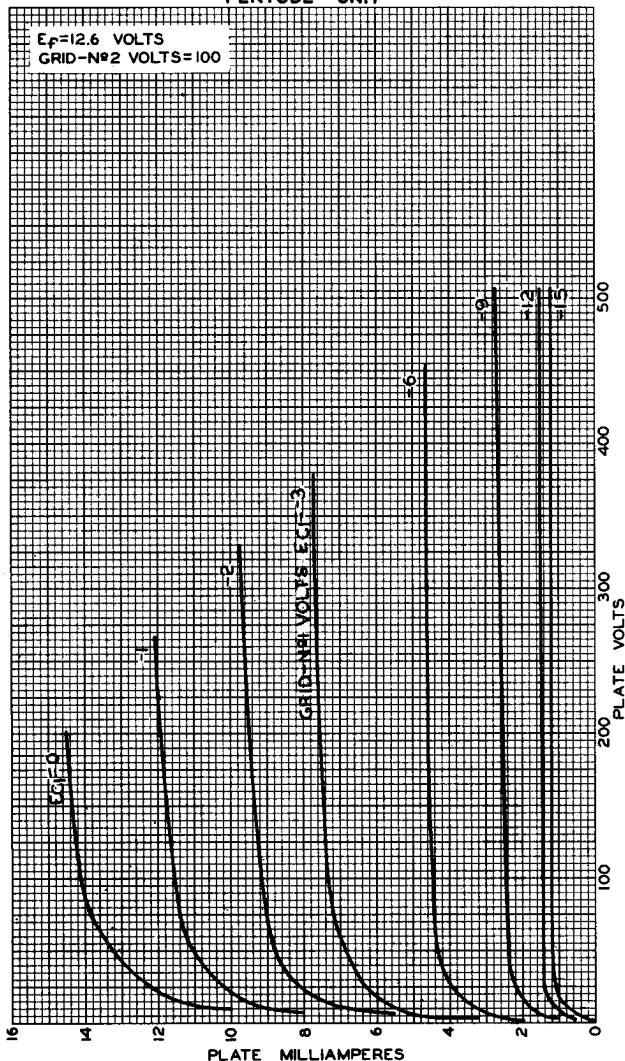
**AVERAGE PLATE CHARACTERISTIC
DIODE UNIT**



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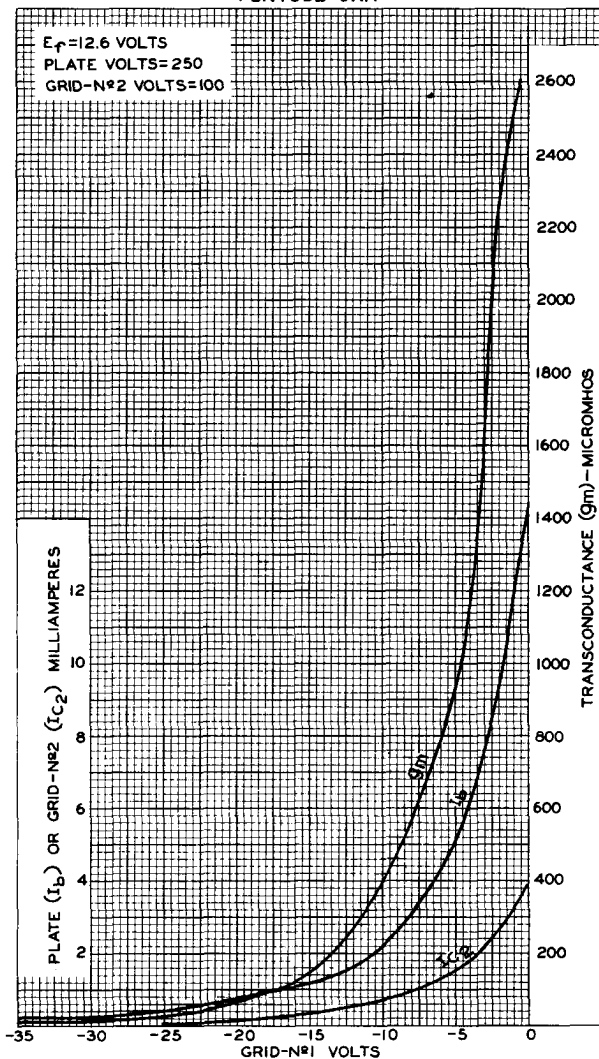
AVERAGE PLATE CHARACTERISTICS PENTODE UNIT



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AVERAGE CHARACTERISTICS
PENTODE UNIT

TUBE DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9004