



12CR6

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DIODE-REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

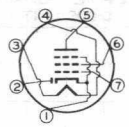
Heater, for Unipotential Cathode:

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:

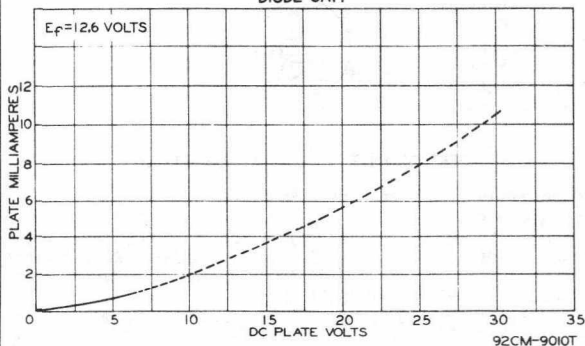
Grid-No.1-Circuit Resistance:

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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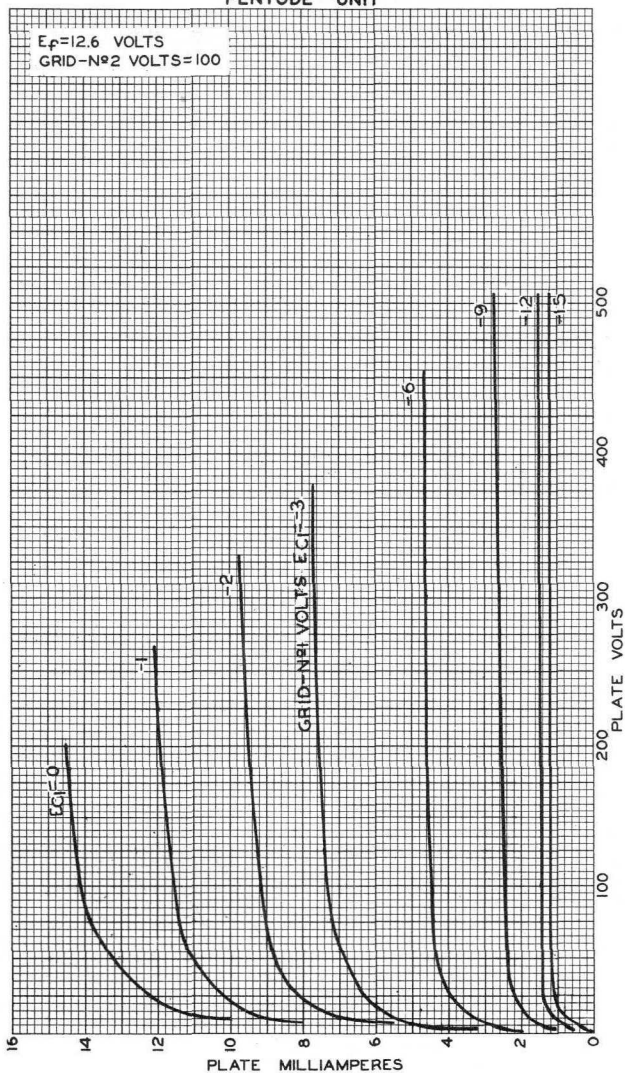
AVERAGE PLATE CHARACTERISTIC
DIODE UNIT



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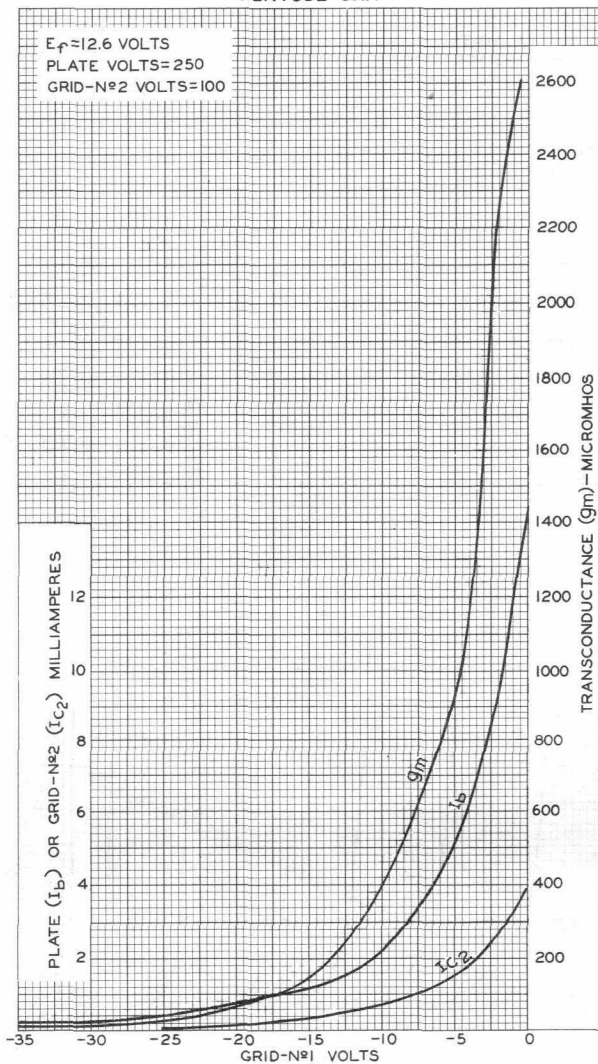
AVERAGE PLATE CHARACTERISTICS PENTODE UNIT



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AVERAGE CHARACTERISTICS
PENTODE UNIT

TUBE DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9004