



7AH7

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REMOTE-CUTOFF PENTODE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.15^{□□} ampDirect Interelectrode Capacitances:⁰Grid No.1 to Plate . . . 0.005 max. μ fInput. 7 μ fOutput 6.5 μ f⁰ With external shield connected to cathode.**Mechanical:**

Mounting Position. Any

Maximum Overall Length 2-25/32"

Maximum Seated Length. 2-1/4"

Maximum Diameter 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 8V

Pin 1-Heater

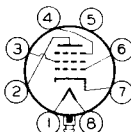
Pin 2-Plate

Pin 3-Grid No.2

Pin 4-Grid No.3

Pin 5-Internal

Shield



Pin 6-Grid No.1

Pin 7-Cathode

Pin 8-Heater

Plug - Base
ShellAMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 300 max. volts

GRID-No.2 (SCREEN) VOLTAGE 300 max. volts

PLATE DISSIPATION. 2 max. watts

GRID-No.2 DISSIPATION. 0.7 max. watt

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

Negative bias value. -1 min. volt

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 90 max. volts

Heater positive with respect to cathode 90 max. volts

Typical Operation and Characteristics:

Plate Voltage. 250 volts

Grid No.3 (Suppressor) Connected to cathode at socket

Internal Shield. Connected to cathode at socket

Grid-No.2 Voltage. 250 volts

Cathode-Bias Resistor*. 250 ohms

Plate Resistance (Approx.) 1 megohm

Transconductance 3300 μ mhosGrid-No.1 Bias (Approx.) for
transconductance of 35 μ mhos -20 volts

* Fixed bias not recommended.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.16 ampere.

FEB. 1, 1949

TUBE DEPARTMENT

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Plate Current.	6.8	ma
Grid-No.2 Current.	1.9	ma

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