



7H7

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REMOTE-CUTOFF PENTODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.3^{□□} ampDirect Interelectrode Capacitances:[○]Grid No.1 to Plate . . . 0.007 max. μf Input. 8 μf Output 7 μf [○] 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

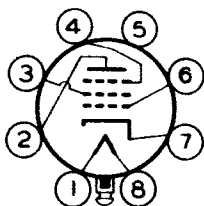
Basing Designation for BOTTOM VIEW 8V

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 150 max. volts

GRID-No.2 SUPPLY VOLTAGE 300 max. volts

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

Positive bias value. 0 max. volts

PLATE DISSIPATION. 2.5 max. watts

GRID-No.2 DISSIPATION. 0.5 max. watt

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. 100 250 volts

Grid No.3 Connected to cathode at socket

Internal Shield Connected to cathode at socket

Grid-No.2 Voltage 100 150 volts

Grid-No.1 Voltage -1 - volt

Cathode-Bias Resistor. 80 180 ohms

(continued on next page)

[□] Nominal voltage = 7.0 volts.^{□□} Nominal current = 0.32 ampere.

← Indicates a change.

DEC. 30, 1947

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Plate Resistance (Approx.)	0.25	0.8	megohm
Transconductance	4800	4200	μ mhos
Grid-No.1 Bias (Approx.) for transconductance of 35 μ mhos . . .	-12	-19	volts
Plate Current.	8.2	10	ma
Grid-No.2 Current.	3.3	3.2	ma

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